

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPEC SUB. REPORT/abd.

960410 Oper. Nm. Chg. 970214 Location abandoned eff. 4/30/97:

DATE FILED DECEMBER 20, 1994

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-096550

INDIAN

DRILLING APPROVED: APRIL 20, 1995

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

April 30, 1997 LA'D

FIELD: MONUMENT BUTTE FIELD

UNIT: JONAH UNIT

COUNTY: DUCHESNE

WELL NO. BALCRON MONUMENT FEDERAL #42-14J

API NO. 43-013-31491

LOCATION 1882' FNL FT. FROM (N) (S) LINE.

773' FEL

FT. FROM (E) (W) LINE.

SE NE

1/4 - 1/4 SEC.

14

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

9S

16E

14

EQUIT RES ENERGY CO



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

December 19, 1994

-- VIA FEDERAL EXPRESS --

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

Enclosed are Applications for Permit to Drill the wells on the enclosed list.

As operator, we hereby request that the status of this well be held tight for the maximum period allowed by Federal and State regulations.

Archeology and palentology surveys have been ordered and reports will be sent to you as soon as they are complete.

Sincerely,

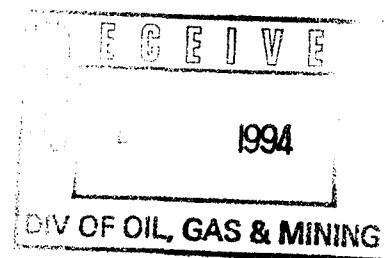
Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

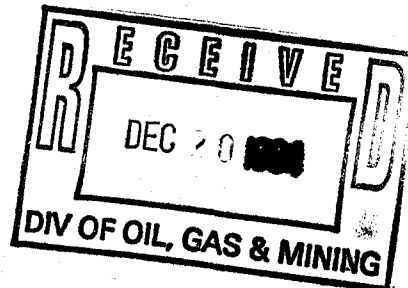
1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. Lease Designation and Serial Number: #U-096550
B. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name: n/a
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division		7. Unit Agreement Name: Jonah Unit
3. Address and Telephone Number: P.O. Box 21017; Billings, MT 59104 (406) 259-7860		8. Farm or Lease Name: Balcron Monument Federal
4. Location of Well (Footages) At Surface: SE NE Section 14, T9S, R16E 1882' FNL, 773' FEL At Proposed Producing Zone:		9. Well Number: #42-14J
14. Distance in miles and direction from nearest town or post office: Approximately 13 miles southwest of Myton, Utah		10. Field and Pool, or Wildcat: Monument Butte/Green River
15. Distance to nearest property or lease line (feet):		11. Ctr/Ctr, Section, Township, Range, Meridian: SE NE 14, T9S, R16E
16. Number of acres in lease:		12. County: Duchesne
17. Number of acres assigned to this well:		13. State: UTAH
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):		20. Rotary or cable tools: Rotary
19. Proposed Depth: 5,650'		22. Approximate date work will start: 3/1/95
21. Elevations (show whether DF, RT, GR, etc.): GL 5604.9'		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling Program/Casing Design				

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Operator intends to drill this well in accordance with the attached Federal Application for Permit to Drill.



24. Name & Signature: <u>Bobbie Schuman</u> Bobbie Schuman	Regulatory and Environmental Specialist Title: <u>12-19-94</u>
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: <u>4/20/95</u> BY: <u>JAN [Signature]</u> WELL SPACING: <u>R649-2-3</u>	
API Number Assigned: <u>43-013+31491</u>	Approval:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.

#U-096550

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

Jonah Unit

8. FARM OR LEASE NAME

Balcron Monument Federal

9. WELL NO.

#42-14J

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 14, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

SE NE Section 14, T9S, R16E

1882' FNL, 773' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 13 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5,650'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5604.9'

22. APPROX. DATE WORK WILL START*

3/1/95

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling	Program/Casing	Design		

Operator intends to drill this well in accordance with the attached permit. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Robbie Schuman
Robbie Schuman

TITLE

Regulatory and
Environmental Specialist

DATE

12-19-94

(This space for Federal or State office use)

PERMIT NO.

43-013-31491

APPROVAL DATE

APPROVED BY THE STATE

OF UTAH DIVISION OF

OIL, GAS, AND MINES

APPROVED BY

J. Matthews

TITLE

Dr. Schuman Engineering

CONDITIONS OF APPROVAL, IF ANY.

DATE:

BY:

*See Instructions On Reverse Side

WELL SPACING:

T9S, R16E, S.L.B.&M.S89°59'W (G.L.O.) Basis of Bearings
2625.36' - Measured

N89°59'32"W - 2632.00' (Meas.)

**WELL LOCATION:
BALCRON MONUMENT
FEDERAL #42-14J**ELEV. UNGRADED GROUND = 5604.9'**14**

1882'

773'

N0°01'W (G.L.O.)

N0°01'W (G.L.O.)

S89°54'W - 79.82 (G.L.O.)



= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1910

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

EQUITABLE RESOURCES ENERGY CO.WELL LOCATION, BALCRON MONUMENT FEDERAL
#42-14J, LOCATED AS SHOWN IN THE SE 1/4
NE 1/4 OF SECTION 14, T9S, R16E, S.L.B.&M.
DUCHESNE COUNTY, UTAH.THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

GENE

STEWART

REGISTERED LAND SURVEYOR
REGISTRATION NO. 444102
STATE OF UTAH**TRI STATE LAND SURVEYING & CONSULTING**38 EAST 100 NORTH, VERNAL, UTAH 84078
(801) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: G.S. S.S.

DATE: 11-4-94

WEATHER: COOL

NOTES:

FILE #42-14J

Balcron Monument Federal #41-12J
NE NE Section 12, T9S, R16E
Duchesne County, Utah
395' FNL, 476' FEL
Field: Monument Butte (Jonah Unit)
FLS #U-44426
PTD: 5,750' (Green River formation)
GL: 5457.6'

Balcron Monument Federal #42-12J
SE NE Section 12, T9S, R16E
Duchesne County, Utah
2550' FNL, 391' FEL
Field: Monument Butte (Jonah Unit)
FLS #U-035521
PTD: 5,700' (Green River formation)
GL: 5474.4'

Balcron Monument Federal #12-14J
SW NW Section 14, T9S, R16E
Duchesne County, Utah
2004' FNL, 658' FWL
Field: Monument Butte (Jonah Unit)
FLS #U-096547
PTD: 5,600' (Green River formation)
GL: 5605.2'

Balcron Monument Federal #22-14J
SE NW Section 14, T9S, R16E
Duchesne County, Utah
2134' FNL, 2198' FWL
Field: Monument Butte (Jonah Unit)
FLS #U-096547
PTD: 5,600' (Green River formation)
GL: 5594.3'

Balcron Monument Federal #32-14J
SW NE Section 14, T9S, R16E
Duchesne County, Utah
1980' FNL, 1980' FEL
Field: Monument Butte (Jonah Unit)
FLS #U-096547
PTD: 5,600' (Green River formation)
GL: 5572'

Balcron Monument Federal #42-14J
SE NE Section 14, T9S, R16E
Duchesne County, Utah
1882' FNL, 773' FEL
Field: Monument Butte (Jonah Unit)
FLS #U-096550
PTD: 5,650' (Green River formation)
GL: 5604.9'

Balcron Monument Federal #11-7J
NW NW Section 7, T9S, R17E
Duchesne County, Utah
681' FNL, 447' FWL
Field: Monument Butte (Jonah Unit)
FLS #U-44426
PTD: 5,700' (Green River formation)
GL: 5343.2'

Balcron Monument Federal #12-7J
SW NW Section 7, T9S, R17E
Duchesne County, Utah
1965' FNL, 620' FWL
Field: Monument Butte (Jonah Unit)
FLS #U-44426
PTD: 5,600' (Green River formation)
GL: 5338.2'
**NOTE: This location has already been built. It was formerly
the Alta #7E location, built but not drilled.**

EXHIBITS

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM

11/2/94

CONFIDENTIAL

AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.

Equitable Resources Energy Company
Balcron Oil Division
P.O. Box 21017
Billings, MT 59104
(406) 259-7860

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Jonah Unit
Balcron Monument Federal #42-14J
SE NE Section 14, T9S, R16E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.

- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Jonah Unit
Balcron Monument Federal #42-14J
SE NE Section 14, T9S, R16E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. **EXISTING ROADS:**

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for approximately 9.8 to an intersection with the Monument Butte/Jonah Unit road. Turn right and continue 2.4 miles to road intersection. Turn left and proceed 1.3 miles to road intersection. Turn left and proceed 1.1 miles to existing #21-13Y location. Follow flags 0.6 mile to location.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "F" Maps A and B for access route.

2. **PLANNED ACCESS ROADS:** See EXHIBIT "F" Maps A & B

- a. Length: Approximately 0.3 miles of new access road will be required.
- b. Width: Maximum 30' overall right-of-way with an 18' running surface.
- c. Maximum grade: < 8%
- d. Turnouts: None
- e. Drainage design: Low water crossing if necessary.
- f. No culverts or bridges are necessary.
- g. Surface materials: Any surface materials which are required will be native materials from the location and/or access site.
- h. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.

- i. All travel will be confined to location and access routes.
- j. During construction of the access road, attempts will be made to avoid the large boulders.
- k. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. This shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. If necessary prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Road drainage crossings will be of the typical dry creek draining crossing type. Crossings, if necessary, will be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading will not be done during muddy conditions. Should mud holes develop, they will be filled in and detours around them will be avoided.

- k. If a right-of-way is needed for access, please consider this Application for Permit to Drill as the application for right-of-way.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "I" Map C.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

- a. Upon completion, a sundry notice and plat showing exact production facilities will be submitted.
- b. All above-ground facilities will be painted earthtone color Desert Brown #10Y/R in accordance with the Munsell Soil Color chart within six months of the well completion unless prior written approval to proceed with another alternative has been granted via Sundry Notice.
- c. See EXHIBIT "J" for the Proposed Production Facility Diagram.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private source owned by Joe Shields.

- b. The drilling water will be hauled by truck to the location site.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction material from other sources is anticipated at this time. If additional construction material is needed, it will be from an approved source.
- c. Reasonable precautions will be taken to protect all lands.

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

- a. Garbage will be stored in a dumpster and disposed of according to local and state regulations, at an approved facility. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
- b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.
- c. The reserve pit will be lined. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Any produced water will be contained on site for a period not to exceed 90 days.
- f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "K".
- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G". No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- d. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls of fluid. The size of the pit will be approximately equivalent to four times the TD hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the location.
- e. The reserve pit will be located on the South side of the location.
- f. If needed, flare pit will be located downwind of the prevailing wind directions a minimum of 100' from the wellhead and 30' from the reserve pit fence.
- g. Stockpiled topsoil (first 6 inches or as much as possible) will be stored on the East side near corner 2.
- h. Access to the wellpad will be from the North near corner 8.
- i. All pits will be fenced according to the following minimum standards:
 - a. 39-inch net wire will be used with at least one strand of barbed wire on top of the net wire unless pipe or some type of reinforcement rod is attached to the top of the entire fence.
 - b. The net wire shall be no more than 2 inches above the ground. If barbed wire it shall be 3 inches above the net wire. Total height of fence will be at least 42 inches.
 - c. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard steel, wood, or pipe posts will be used between the cornerbraces. Maximum distance between any two posts will be no greater than 16'.
 - d. All wire will be stretched before it is attached to the corner posts.

The reserve pit will be fenced on three sides during drilling operations and on the fourth side when the rig moves off locations. Pits will be fenced and maintained until clean-up.

- j. The reserve pit will be constructed long and narrow for topographic reasons.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

The BLM will be contacted prior to commencement of any reclamation operations.

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed and all trash will be removed.

Dry hole/abandoned location:

At such time as the well is plugged and abandoned, operator will submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

12. OTHER INFORMATION:

- a. An Archeology Survey will be provided as soon as it is completed.
- b. If unexpected cultural resources are observed during construction or reclamation operations, Equitable Resources Energy Company's Balcron Oil division will suspend operations in the vicinity of the discovery and immediately report the finding to the BLM District Office.
- c. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.

- d. Drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received.
- e. If necessary to construct a silt catchment dam, the location will be noted by the BLM in the Conditions of Approval.

13. OPERATOR'S REPRESENTATIVES:

Equitable Resources Energy Company, Balcron Oil Division
1601 Lewis Avenue
P.O. Box 21017
Billings, Montana 59104
(8:00 a.m. to 5:00 p.m.)
(406) 259-7860
FAX: (406) 245-1361

Dave McCoskery, Operations Manager Home: (406) 248-3864
Mobile: (406) 698-3732

Dale Griffin, Operations Supervisor Mobile: (801) 828-7291
Home: (801) 781-1018

14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Equitable Resources Energy Company's Balcron Oil Division and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

December 19, 1994
Date

Bobbie Schuman
Bobbie Schuman
Regulatory and Environmental
Specialist
Equitable Resources Energy
Company, Balcron Oil Division

/rs

EXHIBIT "C"

Well Name	BALCRON MONUMENT FEDERAL #42-14J		Exploratory		Control Well	BMF #41-14J
Location	SE NE SECTION 14-T9S-R16E, 1882' FNL, 773' FEL		Development	X	Operator	EREC
County	DUCHESNE		Field	JONAH UNIT	KB	5539
State	UTAH		Section	SE NE 14	Section	NE NE 14
Total Depth	5650		Township	9S	Township	9S
GL (Ung)	5604.9	EST. KB 5613	Range	16E	Range	16E

[illegible]

Samples	DST,s	Wellsite Geologist
50' FROM 1400' TO 3800'	DST #1 NONE	Name: _____
30' FROM 3800' TO TD	DST #2 _____	From: _____ to: _____
5' THROUGH EXPECTED PAYS	DST #3 _____	Address: _____
5' THROUGH DRILLING BREAKS	DST #4 _____	

Logs	Cores	
DLL FROM SURF CSG TO TD	Core #1 NONE	Fax #

_____ Core #3 _____ Mud Logger/Hot Wire
 _____ Core #4 _____ Company: _____
 _____ Required: (Yes/No) YES
 _____ Type: TWO MAN
 Comments: _____ Logger: _____
 _____ Phone # _____
 _____ Fax # _____

Report To:	1st Name: <u>DAVE BICKERSTAFF</u>	Phone #	<u>(406)259-7860</u>	wk.	<u>245-2261</u>	hm
	2nd Name: <u>KEVEN REINSCHMIDT</u>	Phone #	<u>"</u>	wk.	<u>248-7026</u>	hm
Prepared By:	<u>K.K. REINSCHMIDT</u>		<u>12/13/94</u>	Phone #	<u>wk.</u>	<u>hm</u>

Equitable Resources Energy Company
Balcron Oil Division

EXHIBIT "D"
Page 1 of 2

DRILLING PROGRAM

WELL NAME: Balcron Monument Fed. 42-14J PROSPECT/FIELD:Jonah Unit
LOCATION: SE NE Sec.14 Twn.9S Rge.16E
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 5650

HOLE SIZE INTERVAL

12 1/4" 0 to 260'
7 7/8" 260 to T.D.

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	K-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.
(Cement will be circulated to surface.)

Production 180 sacks Western Super G consisting of 47 #/sk G, 20 #/sk Poz A, 17 #/sk CSE, 3% salt, 2% gel, and 2 #/sk Hi-Seal. (Yield=2.76 Cu.Ft./Sk Weight=11.08 PPG) Tailed with 300 sacks 50-50 Poz with 2% gel, 1/4 #/sk Cello-seal and 2 #/sk Hi-seal. Yield=1.24 Cu.Ft./Sk Weight=14.30 PPG)
a.) Actual cement volume will be determined from caliper log.
b.) Actual cement top will be specified in conditions of approval.

PRELIMINARY
DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

Depending on the drilling contractor either:
a.) Drilling will be with air and air mist from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
b.) Drilling will be done using 2% KCl water and gel.

COMMENTS

1.) No cores or DST's are planned.

DMM/12/16/94

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Monument Fed.42-14J
Project ID:	Location: Duchesne/Utah

Design Parameters:

Mud weight (8.80 ppg) : 0.457 psi/ft
 Shut in surface pressure : 2018 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,650	5-1/2"	15.50	K-55	ST&C	5,650	4.825		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2583	4040	1.564	2583	4810	1.86	87.58	222	2.53 J

Prepared by : McCoskery, Billings, MT
 Date : 12-16-1994
 Remarks :

Minimum segment length for the 5,650 foot well is 1,500 feet.
 The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and
 2,583 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-
 line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with
 evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body
 Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and
 Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1990 pricing model. (Version 1.0G)

EXHIBIT E

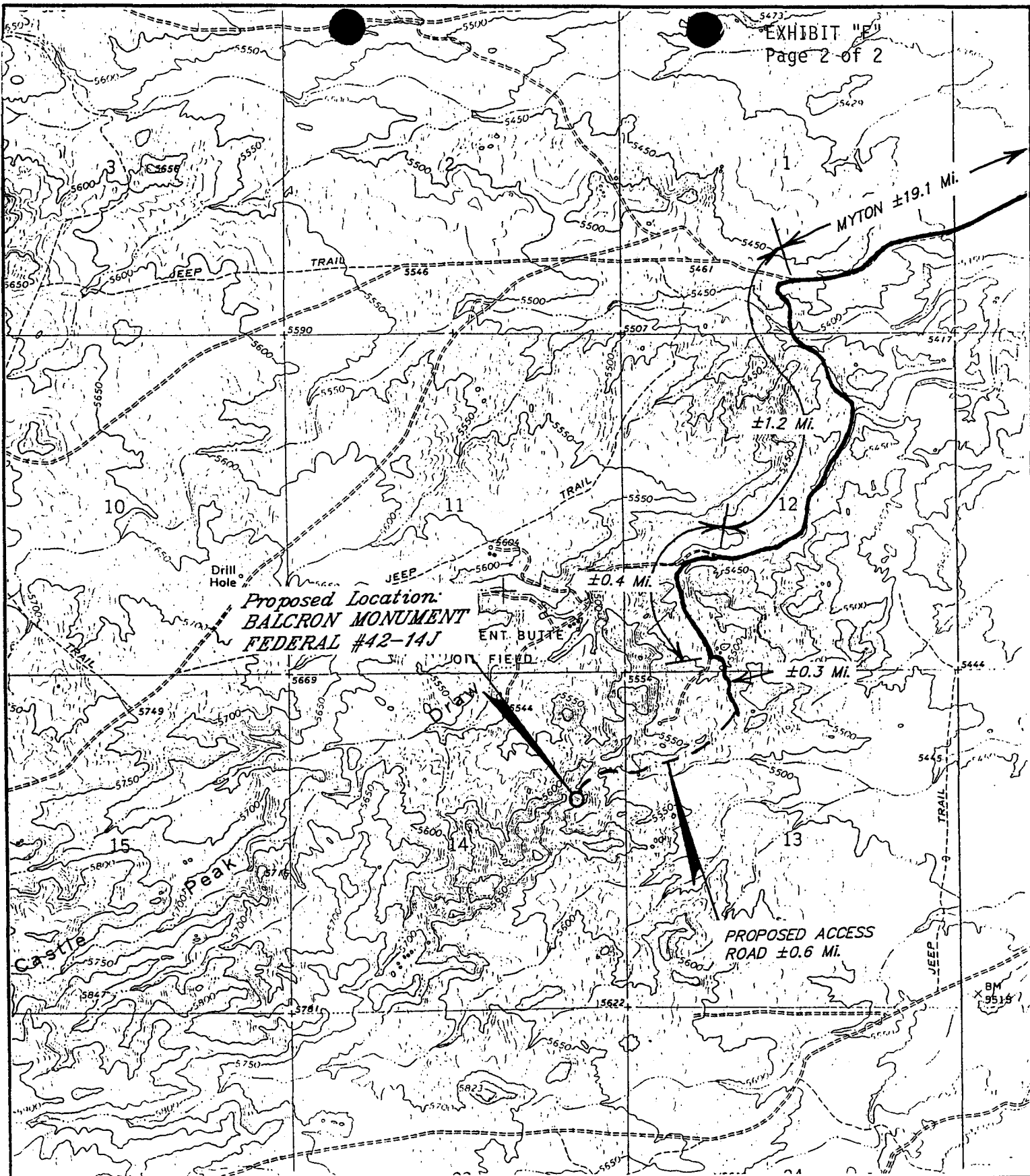
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93
Revised 12/7/93
/rs



EQUITABLE RESOURCES CO.

BALCRON MONUMENT FEDERAL #42-14J
SECTION 14, T9S, R16E, S.L.B.&M.
TOPO "B"

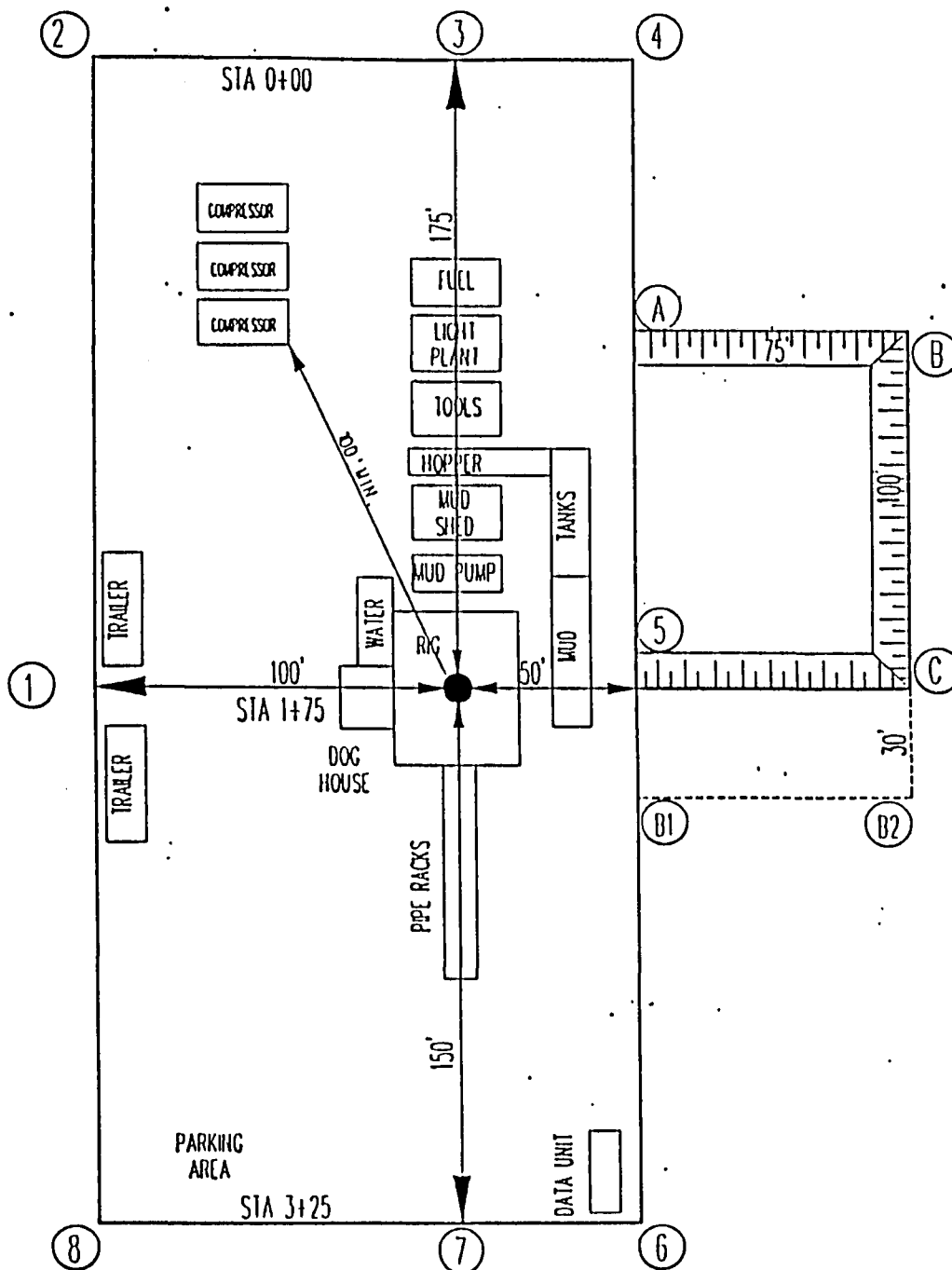


SCALE: 1" = 2000'

Tri State
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(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

EQUITABLE RESOURCES ENERGY CO.

WELLSITE LAYOUT



TRI-STATE
LAND SURVEYING, INC.
 38 WEST 100 NORTH, VERMILION, UTAH 84078
 801-781-2501

UNION DRILLING RIG #17

Hex Kelly -

Rotating Head

Adj. Choke

Air Bowl

7" Flowline

#3000
Blind Rm. Pipe Rm

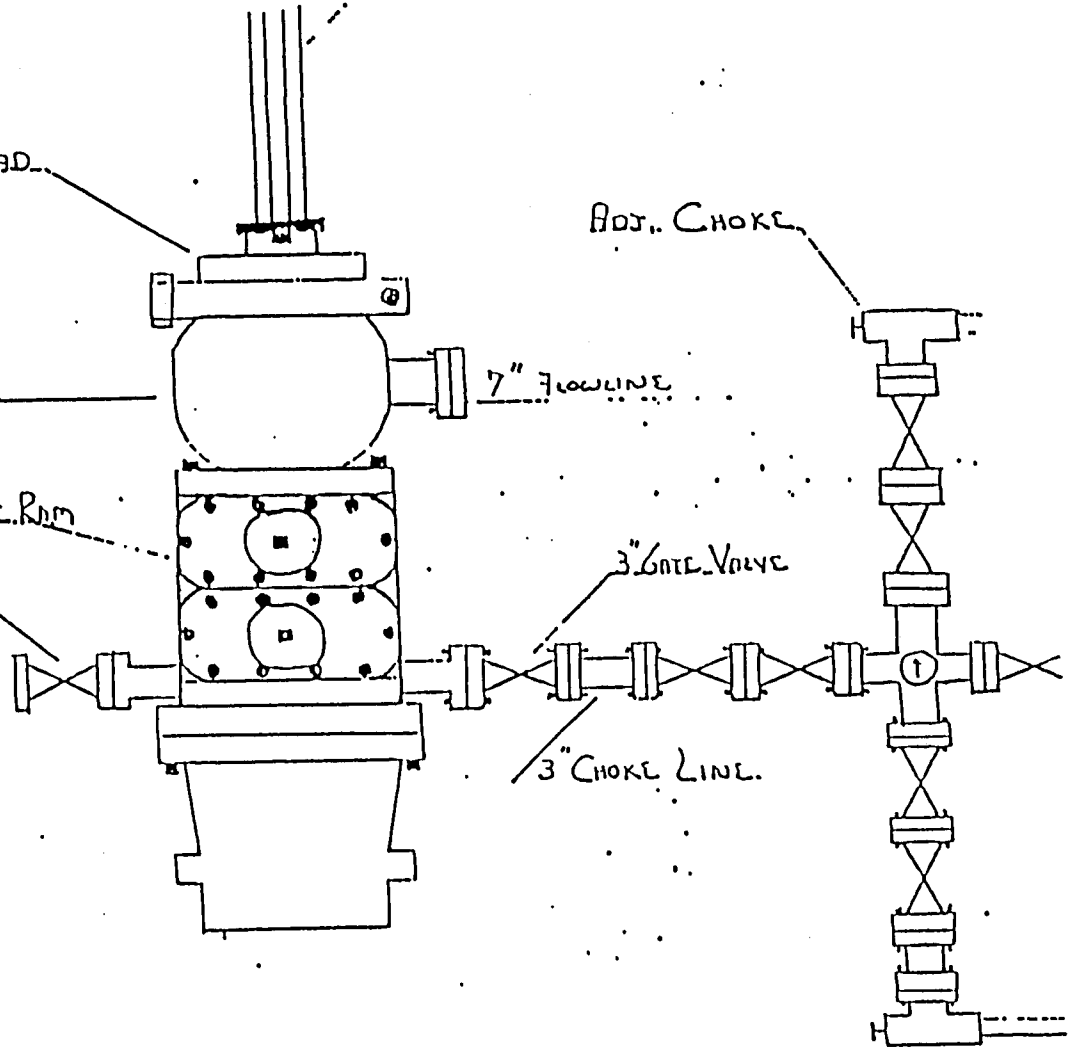
3" Gate Valve

3" Gate Valve

3" Choke Line

Adj. Choke

#3000 Stack



Equitable Resources Energy Company
 Balcron Monument Federal 42-14J
 Proposed Production Facility Diagram

EXHIBIT "J"

Balcron Monument Federal 42-14J
 SE NE Sec. 14, T9S, R16E
 Duchesne County, Utah
 Federal Lease #U-096550
 1882' FNL, 773' FEL

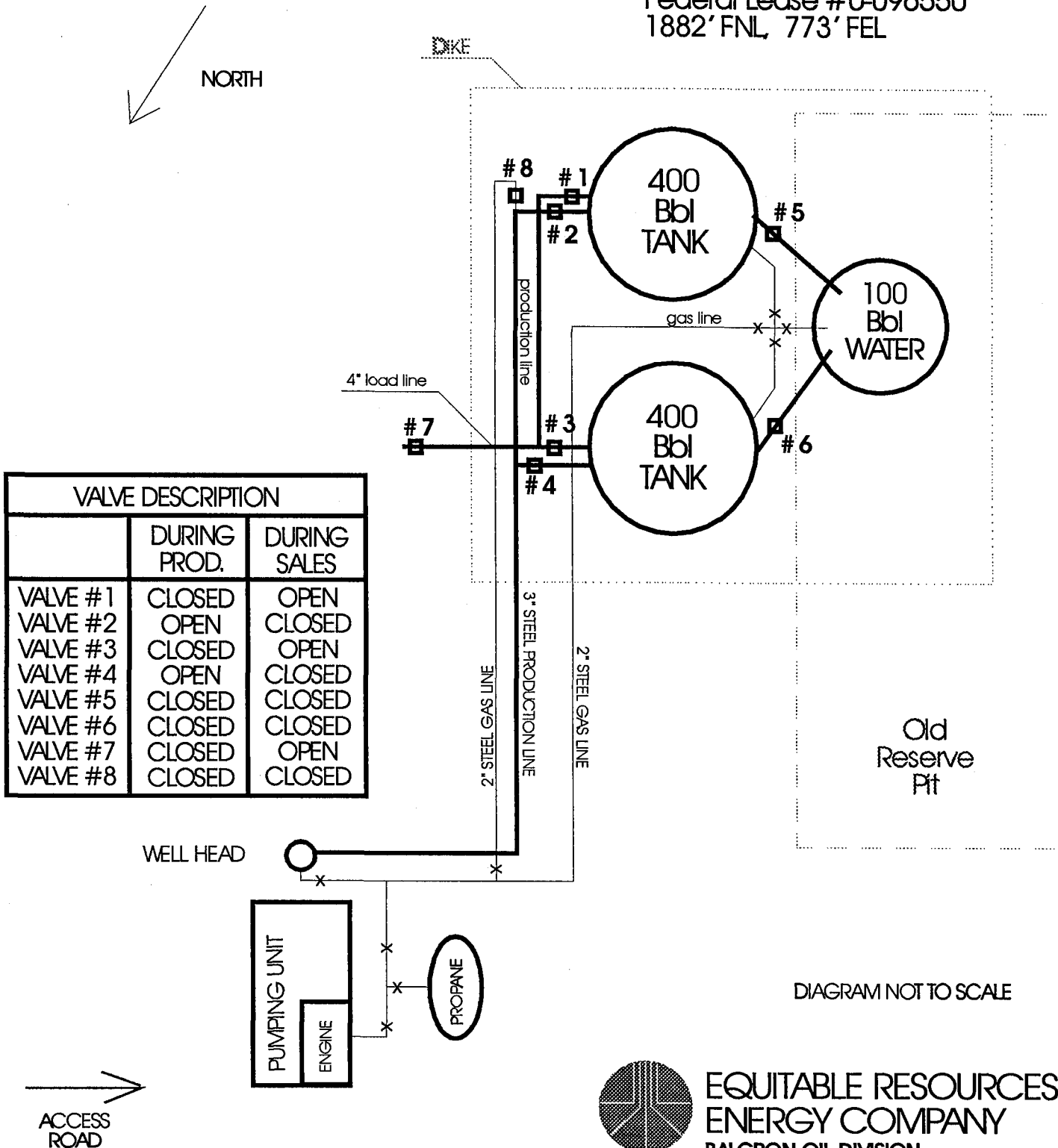
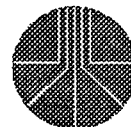


DIAGRAM NOT TO SCALE



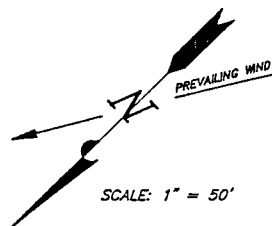
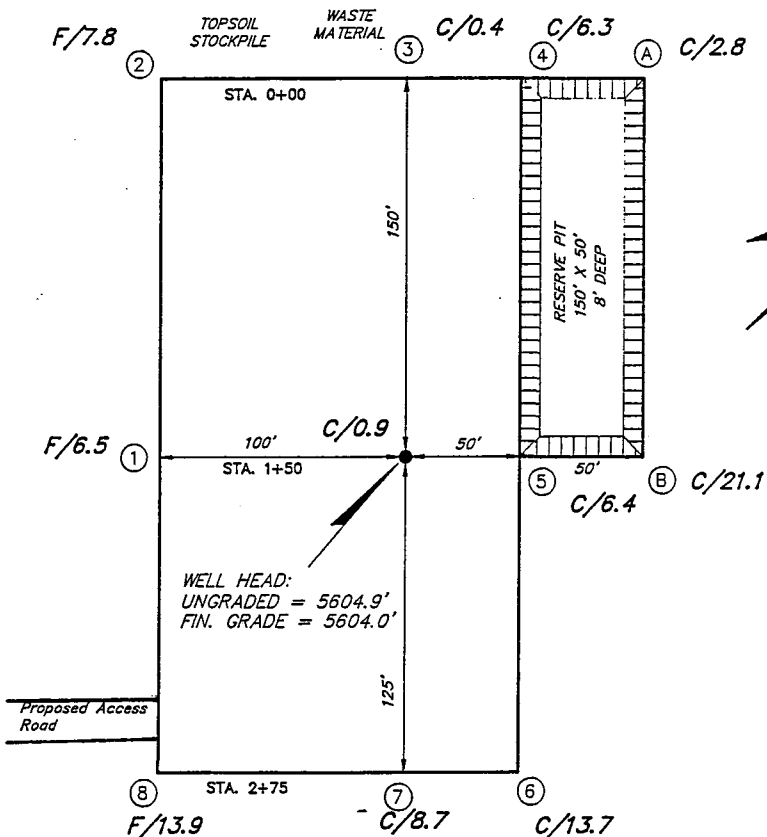
EQUITABLE RESOURCES
 ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
 P.O. Box 21017
 Billings, MT 59104-1017
 (406) 259-7860

EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT FEDERAL #42-14J
SECTION 14, T9S, R16E, S.L.B.&M.

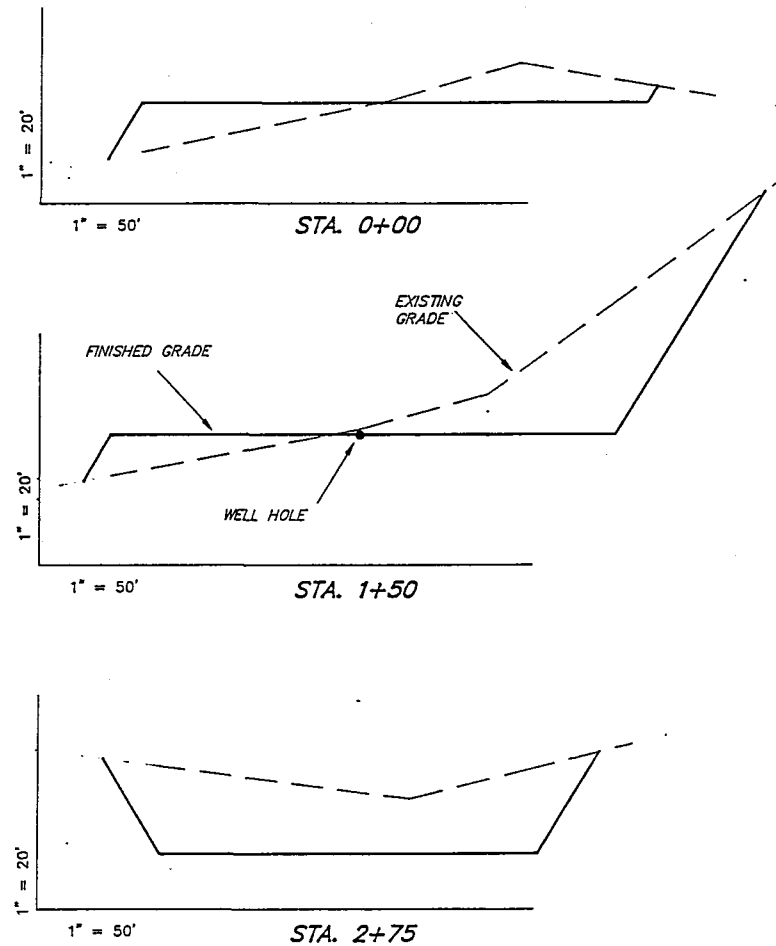


REFERENCE POINTS

170' WEST 5622.10'
200' WEST 5624.80'

APPROXIMATE YARDAGES

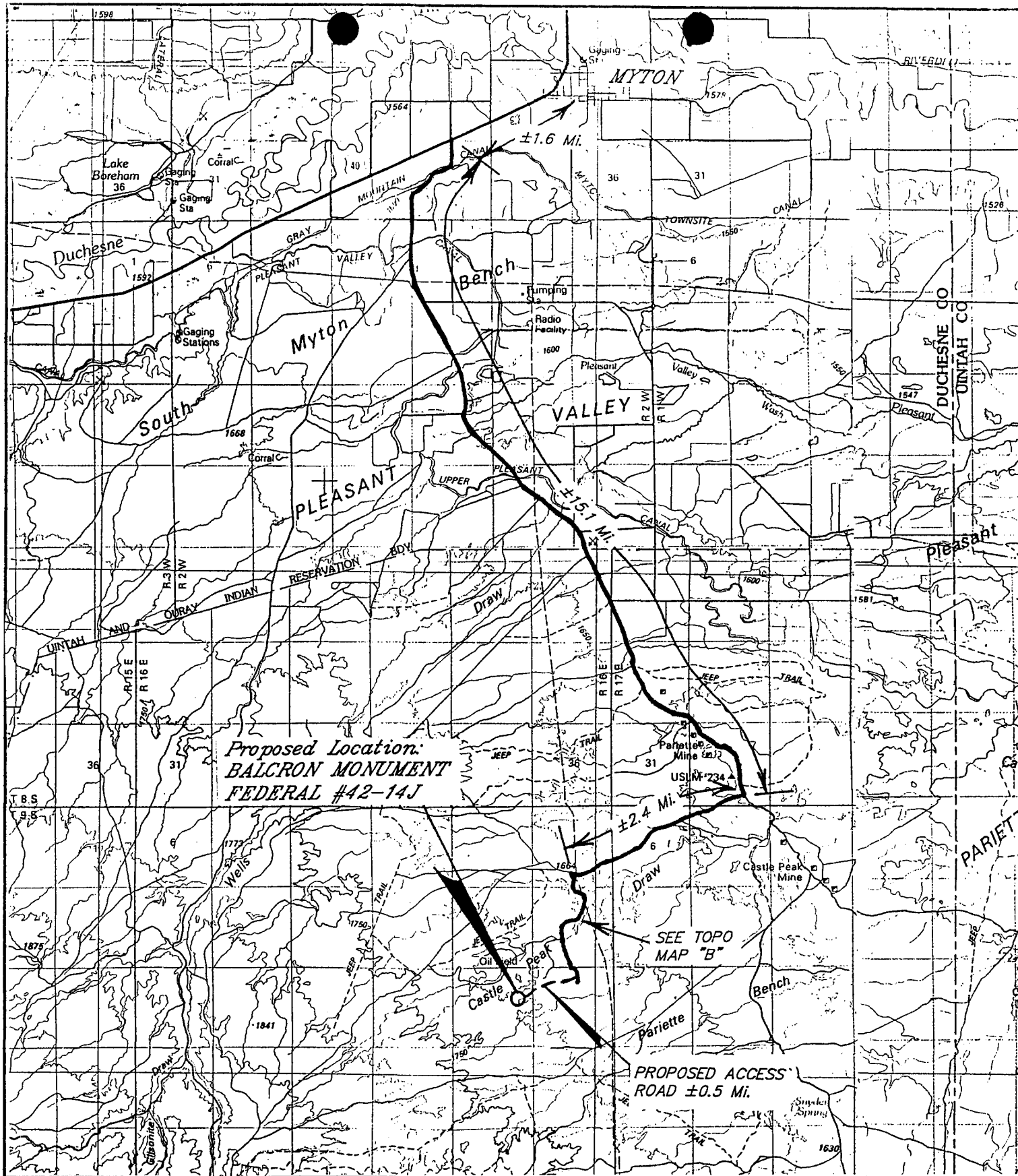
CUT = 10450 Cu. Yds.
FILL = 2960 Cu. Yds.
PIT = 2,710 Cu. Yds.
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: G.S. R.H.
DRAWN BY: R.E.H.
DATE: 11-4-94
SCALE: 1" = 50'
FILE: 42-14J

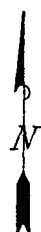
Tri State
Land Surveying, Inc.
(801) 781-2501
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EXHIBIT "L"

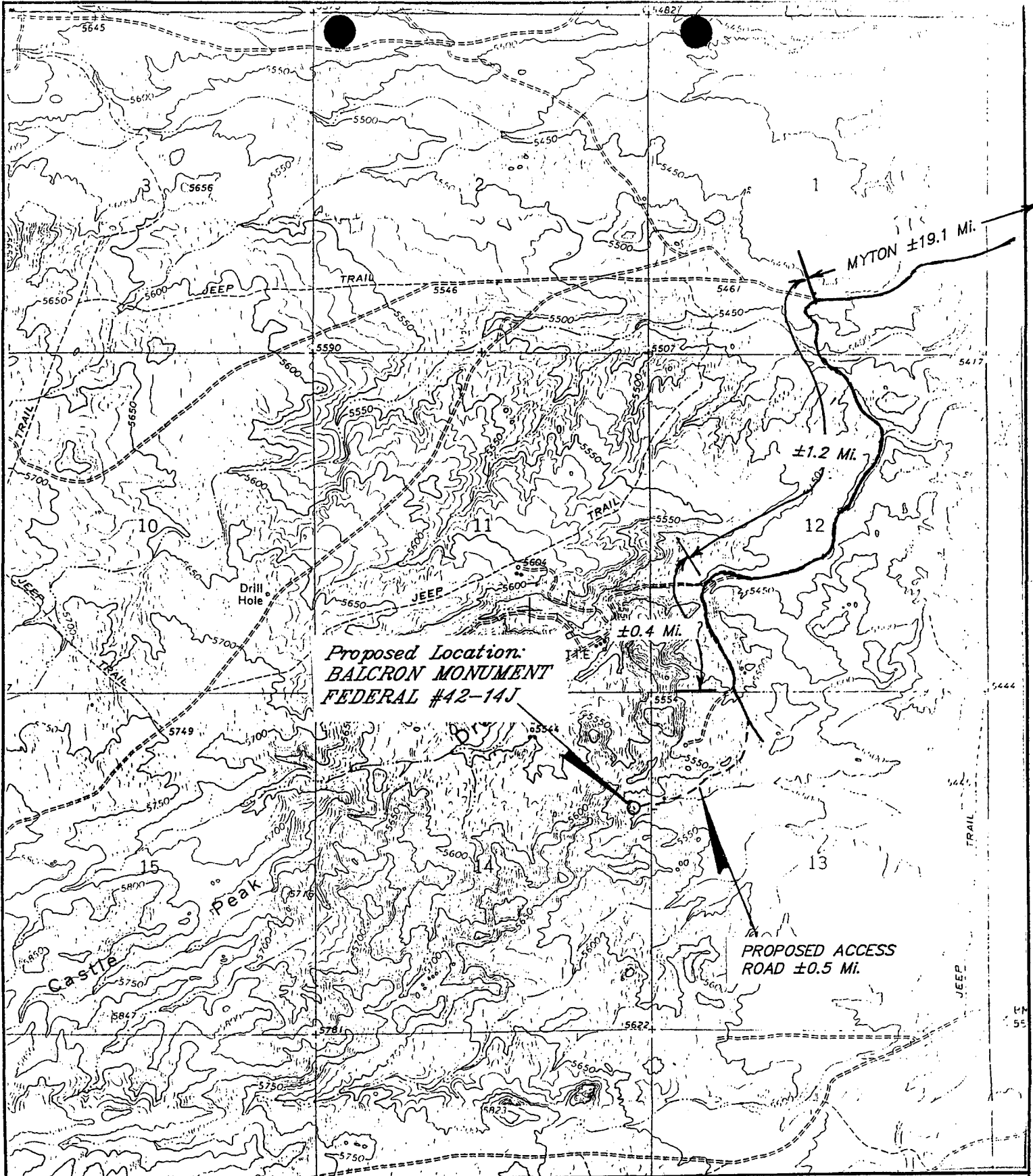


EQUITABLE RESOURCES CO.

BALCRON MONUMENT FEDERAL #42-14J
SECTION 14, T9S, R16E, S.L.B.&M.
TOPO "A"

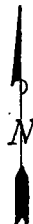


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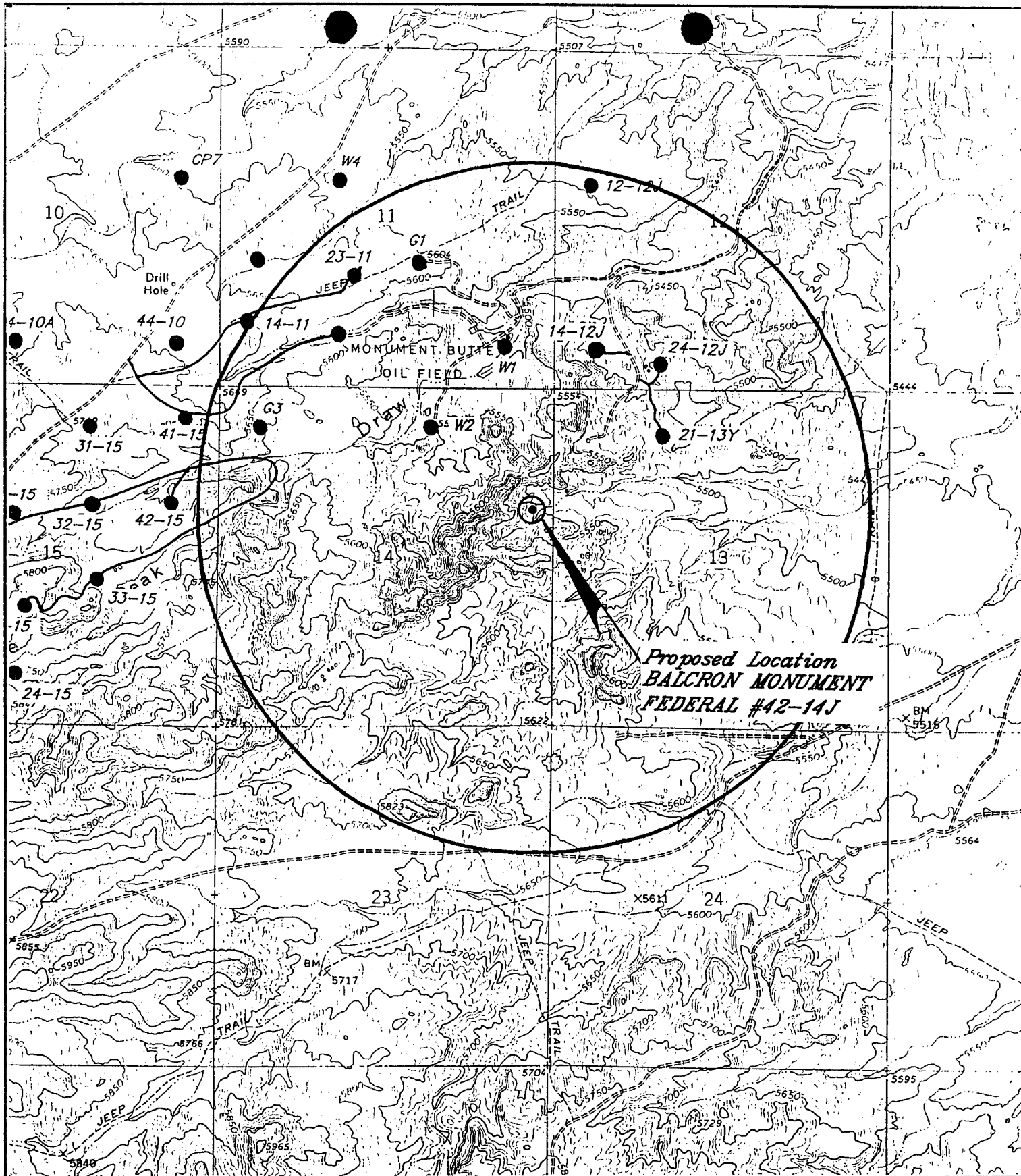
EQUITABLE RESOURCES CO.

BALCRON MONUMENT FEDERAL #42-14J
SECTION 14, T9S, R16E, S.L.B.&M.
TOPO "B"



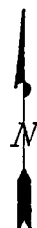
SCALE: 1" = 2000'

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EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT FEDERAL #42-14J
 SECTION 14, T9S, R16E, S.L.B.&M.
 TOPO "C"

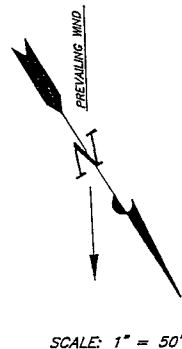
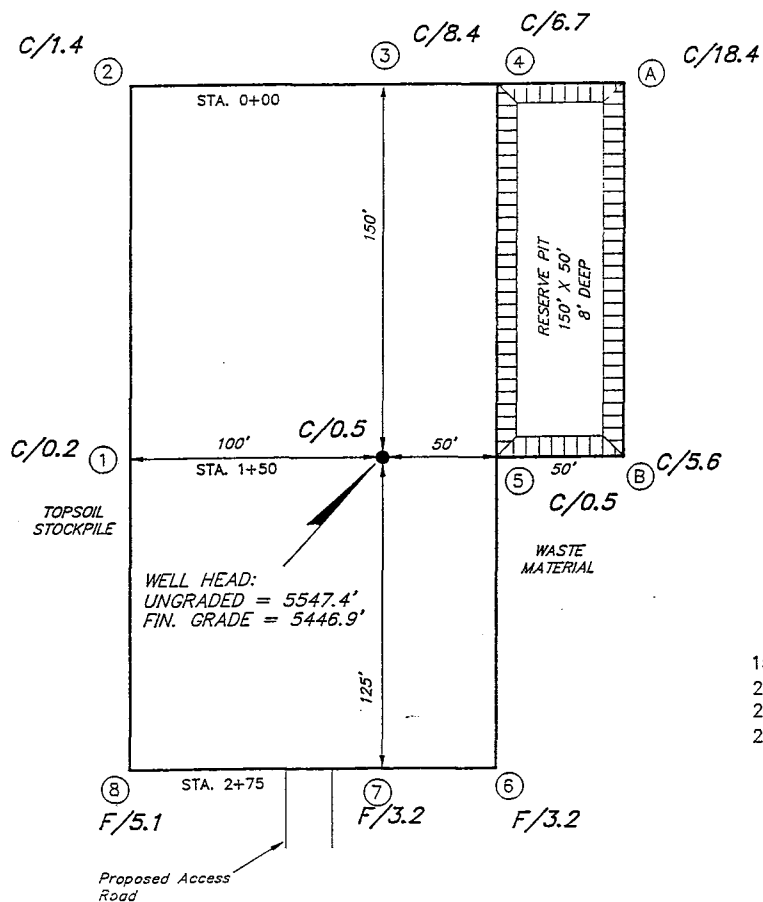


SCALE: 1" = 2000'

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BALCRON MONUMENT FEDERAL #42-14J
SECTION 14, T9S, R16E, S.L.B.&M.

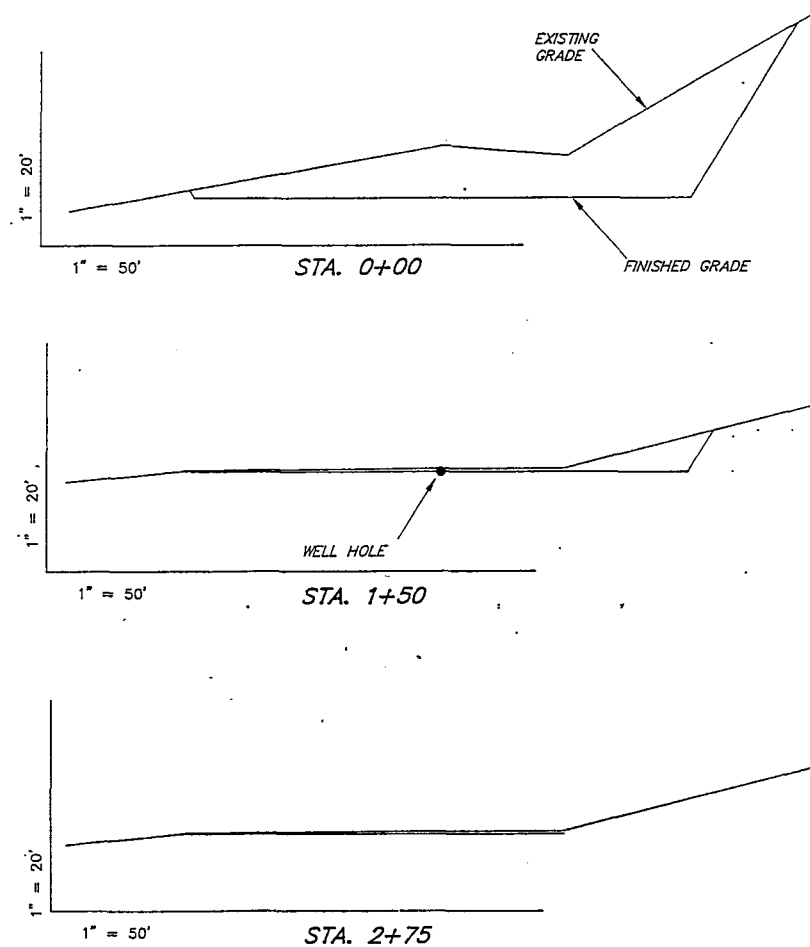


REFERENCE POINTS

150' NORTHEAST 5545.2'
200' NORTHEAST 5542.2'
200' SOUTHEAST 5555.9'
250' SOUTHEAST 5557.6

APPROXIMATE YARDAGES

CUT = 6051 Cu. Yds.
FILL = 626 Cu. Yds.
PIT = 2,710 Cu. Yds.
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S. C.B.
DRAWN BY: S.S.
DATE: 1-16-95
SCALE: 1" = 50'
FILE: 41-12JA

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BALCRON OIL

43-013-31491

Balcron Monument Federal #42-14J

SE NE Section 14, T9S, R16E, SLB&M

Duchesne County, Utah

CONFIDENTIAL

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078

DECEMBER 29, 1994

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT FEDERAL #42-14J, SE, NE,
Section 14, T9S, R16E, SLB&R, DUCHESNE COUNTY, UTAH.

Description of Geology and Topography-

This well location is approximately 11 miles south and 2 mile and west of Myton, Utah. It is located on south side of an northeast trending ridge about 1/2 mile south of Castle Peak Draw. The proposed access road leaves an existing well location and travels .6 mile southwest around a ridge point and along the south side of the ridge to the well location. Rocks in the area are composed of interbedded tan sandstone and green to light brown or maroon mudstone.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

Paleontological material found -

There are several areas with scattered turtle shell washing off the slope north of the proposed access road (fossil site #42DC203). The road will miss most of this material.

The wellpad has a sprinkling of scattered turtle shell fragments. They seem to be pre-weather (weathered before deposition and fossilization) and do not seem to represent whole turtles. There are a few fragments 50 feet northeast of the center stake at 23 degrees that may represent parts of one turtle.

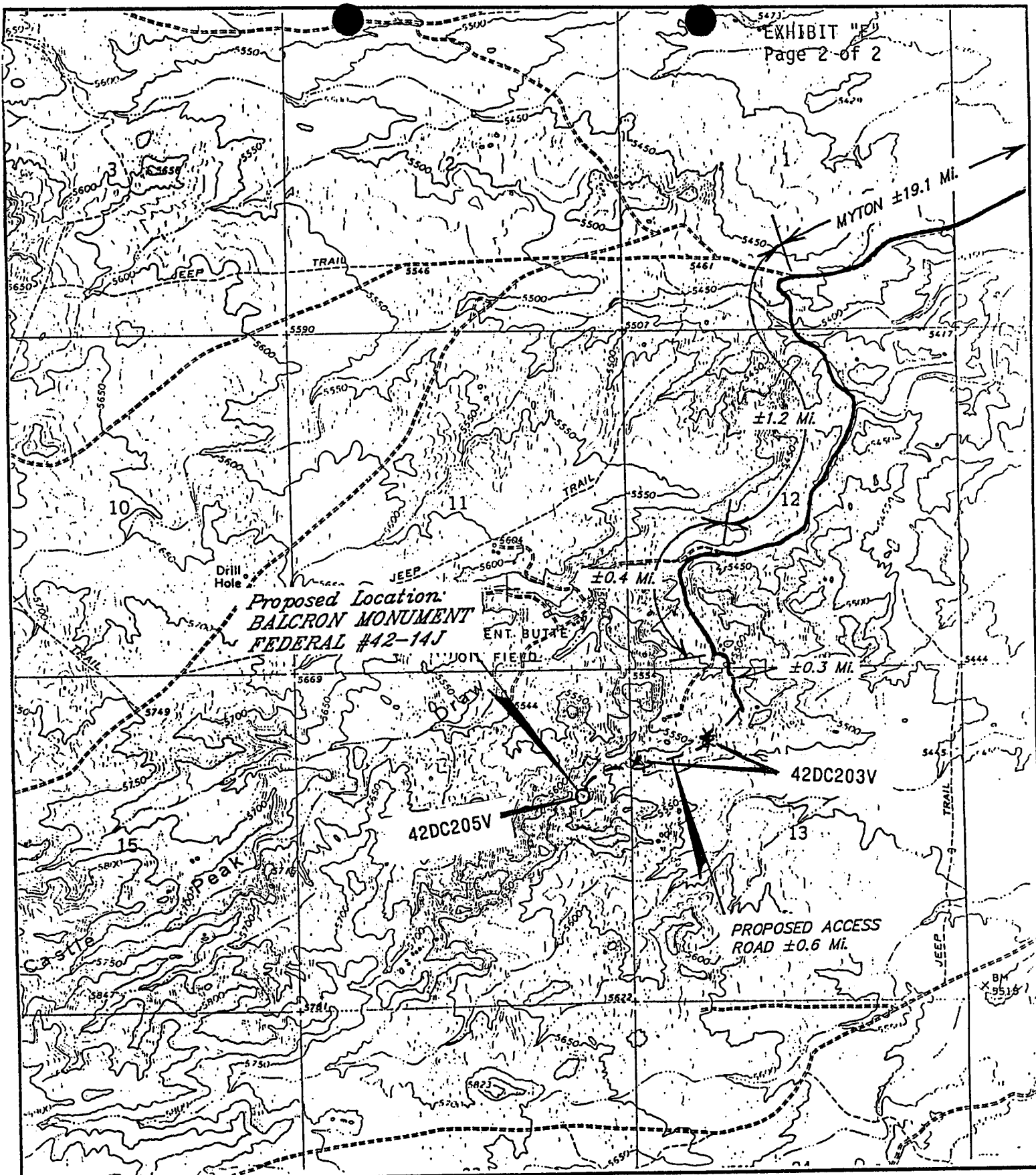
Recommendations-

Because of the weathered nature of the turtle shell fragments at the wellpad, no recommendations are being made for this location.

It might be a good site to look at after construction to see what these shell fragments look like in fresh rock.

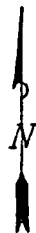
Alchen A. Hamblin Date December 29, 1994

PALEONTOLOGY LOCALITY Data Sheet										Page 1 of 1 plus map									
										State Local. No. 42 DC203V									
										Agency No. BALCRON MONUMENT BUTTE									
										Temp. No FEDERAL #42-14J									
1. Type of locality Invertebrate			Plant			Vertebrate			X		Trace		Other _____						
2. Formation: UINTA					Horizon: Lower (B)					Geologic Age: Late Eocene									
3. Description of Geology and Topography: This well is located on south side of an northeast trending ridge about 1/2 mile south of Castle Peak Draw. The proposed access road leaves an existing well location and travels .6 mile southwest around a ridge point and along the south side of the ridge to the well location. Rocks in the area are composed of interbedded tan sandstone and green to light brown or maroon mudstone. All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.																			
4. Location of Outcrop: 11 miles south and 2 miles west of Myton, Utah.																			
5. Map Ref.		USGS Quad		' Myton SE, Utah				Scale		7.5 Min		Edition		1964					
SE1/4& NW1/4	of of	NW1/4 SW1/4	of of	NW1/4	of Sectn		13	T	9 S	R	16E	Meridn	SLB						
6. State: UTAH			County: DUCHESNE COUNTY				BLM/FS District: VERNAL- DIAMOND MT.												
7. Specimens Collected and Field Accession No. NONE																			
8. Repository:																			
9. Specimens Observed and Disposition: There are several areas with scattered turtle shell washing off the slope north of the proposed access road. The road will miss most of this material.																			
10.Owner: Private		State		BLM		X		US FS		NPS		IND		MIL OTHR					
11.Recommendations for Further Work or Mitigation: NONE																			
12.Type of Map Made by Recorder:																			
13.Disposition of Photo Negatives:																			
14.Published References: Hamblin, A. H., 1992, Paleontology Report on the Monument Butte EA Study Area, for Mariah Associates, Laramie, Wyoming. Hamblin, A. H., 1994, Paleontology Report on the Monument Butte Expansion EA Study area, for Mariah Associates, Laramie, Wyoming. Hamblin, A. H., 1987, Paleogeography and paleontology of the Myton Pocket, Uinta Basin, Utah (Uinta Formation - Upper Eocene): BYU Geology Studies vol. 34, no. 1, p. 33-60.																			
15.Remarks:																			
16.Sensitivity:		Critical		Significant		Important		X		Insignificant									
17.Recorded by: Alden Hamblin, Paleontologist								Date: December 11, 1994											



EQUITABLE RESOURCES CO.

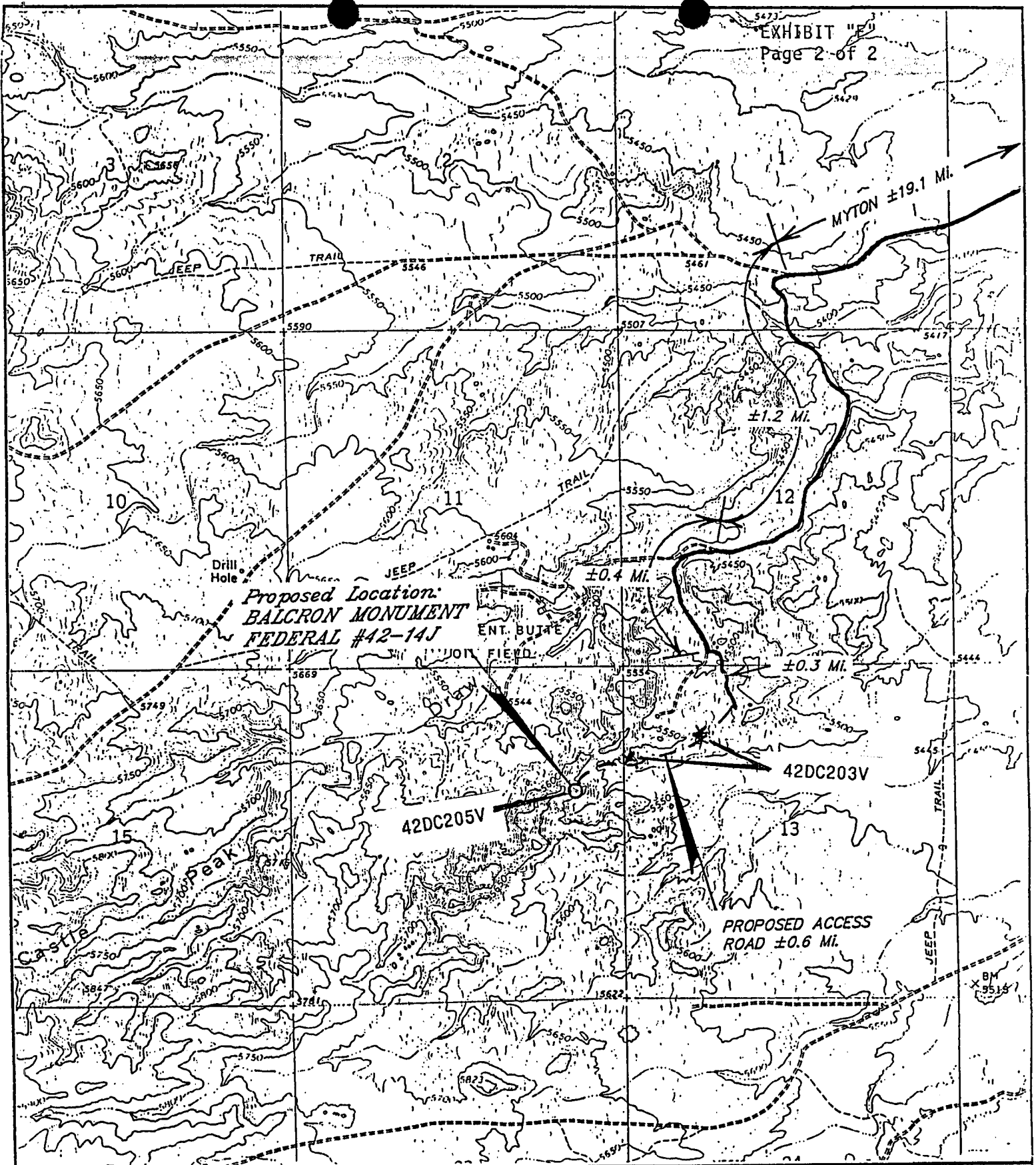
BALCRON MONUMENT FEDERAL #42-14J
SECTION 14, T9S, R16E, S.L.B.&M.
TOPO "B"



SCALE: 1" = 2000'

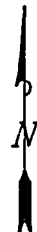
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PALEONTOLOGY LOCALITY Data Sheet						Page 1 of 1 plus map											
						State Local. No. 42 DC205V											
						Agency No. BALCRON MONUMENT BUTTE											
						Temp. No FEDERAL #42-14J											
1. Type of locality Invertebrate		Plant		Vertebrate		X		Trace		Other _____							
2. Formation: UINTA				Horizon: Lower (B)				Geologic Age: Late Eocene									
3. Description of Geology and Topography: This well is located on south side of an northeast trending ridge about 1/2 mile south of Castle Peak Draw. The proposed access road leaves an existing well location and travels .6 mile southwest around a ridge point and along the south side of the ridge to the well location. Rocks in the area are composed of interbedded tan sandstone and green to light brown or maroon mudstone. All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.																	
4. Location of Outcrop: 11 miles south and 2 miles west of Myton, Utah.																	
5. Map Ref.		USGS Quad		Myton SE, Utah				Scale		7.5 Min		Edition		1964			
		of of		SE1/4		of of		NE1/4		of Sectn		14		T 9 S R 16E Meridn SLB			
6. State: UTAH				County: DUCHESNE COUNTY				BLM/FS District: VERNAL- DIAMOND MT.									
7. Specimens Collected and Field Accession No. NONE																	
8. Repository:																	
9. Specimens Observed and Disposition: The wellpad has a sprinkling of scattered turtle shell fragments. They seem to be pre-weather (weathered before deposition and fossilization) and do not seem to represent whole turtles. There are a few fragments 60 feet northeast of the center stake at 23 degrees that may represent parts of one turtle.																	
10.Owner: Private		State		BLM		X		US FS		NPS		IND		MIL		OTHR	
11.Recommendations for Further Work or Mitigation: Visit the location some time after construction to inspect the fresh rock moved during construction.																	
12.Type of Map Made by Recorder:																	
13.Disposition of Photo Negatives:																	
14.Published References: Hamblin, A. H., 1992, Paleontology Report on the Monument Butte EA Study Area, for Mariah Associates, Laramie, Wyoming. Hamblin, A. H., 1994, Paleontology Report on the Monument Butte Expansion EA Study area, for Mariah Associates, Laramie, Wyoming. Hamblin, A. H., 1987, Paleogeography and paleontology of the Myton Pocket, Uinta Basin, Utah (Uinta Formation - Upper Eocene): BYU Geology Studies vol. 34, no. 1, p. 33-60.																	
15.Remarks:																	
16.Sensitivity:		Critical		Significant		Important		X		Insignificant							
17.Recorded by: Alden Hamblin, Paleontologist								Date: December 11, 1994									



EQUITABLE RESOURCES CO.

BALCRON MONUMENT FEDERAL #42-14J
SECTION 14, T9S, R16E, S.L.B.&M.
TOPO "B"



SCALE: 1" = 2000'

Tri State
Land Surveying, Inc.

(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of ten proposed well locations and access routes (Balcron Monument Federal wells #42-12J, 11-7J, 41-12J, 42-14J, 32-14J, 22-14J, 24-25, 34-25, 43-26 and 14-26). These evaluated locations are situated on federally administered lands located in the Monument Buttes and Pleasant Valley localities of Duchesne and Uintah Counties, Utah. This evaluation involved a total of 135.15 acres, of which 100 acres are associated with the well pads and an additional 35.15 acres are associated with access road rights-of-way. One additional well included in this report, (Monument Federal 12-7J) was previously inventoried in a forty acre intensive zone (inventory #013-163, Vernal BLM). The well pad and access road for that location have already been constructed. These evaluations were conducted by F.R. Hauck and Glade Hadden of AERC on December 15 and 20, 1994.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No newly identified cultural resource activity loci of either historic or prehistoric origin were discovered and recorded during the examinations.

Two isolated artifacts were noted during the investigations. An isolated Rose Spring style projectile point (Isolate 1461G/X1, see Figure 1) was recovered from the disturbance zone of well # 43-26 (see Map 3). A non-diagnostic biface chopping tool was discovered but not collected near the well pad for well # 42-12J. This tool is similar in appearance to others found in the area (Hauck and Hadden 1994d).

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/20/94

API NO. ASSIGNED: 43-013-31491

WELL NAME: BALCRON MONUMENT FED 42-14J
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:

SENE 14 - T09S - R16E
SURFACE: 1882-FNL-0773-FEL
BOTTOM: 1882-FNL-0773-FEL
DUCHESNE COUNTY
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED
LEASE NUMBER: U-96550

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal ☒ State ☐ Fee ☐
(Number 5547188)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
(Number PRIVATE WELL)
N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

☒ R649-2-3. Unit: JONAH UNIT
UTL - 72086A
____ R649-3-2. General.
____ R649-3-3. Exception.
____ Drilling Unit.
Board Cause no: _____
Date: _____

COMMENTS: _____

STIPULATIONS: _____

STATE OF UTAH

Operator: EQUITABLE RESOURCES	Well Name: BALCRON MON. FED 42-
Project ID: 43-013-31491	Location: SEC. 14 - T09S - R16E

Design Parameters:

Mud weight (8.90 ppg) : 0.462 psi/ft
 Shut in surface pressure : 2293 psi
 Internal gradient (burst) : 0.056 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using buoyed weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	5,650	5.500	15.50	K-55	ST&C	5,650	4.825	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Yield Strgth S.F. (psi)	Tension Load Strgth S.F. (kips) (kips)		
1	2612	4040	1.547	2612	4810	1.84	75.66	222 2.93 J

Prepared by : FRM, Salt Lake City, UT
 Date : 04-14-1995
 Remarks :

Minimum segment length for the 5,650 foot well is 1,000 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas
 temperature of 102°F (Surface 74°F , BHT 130°F & temp. gradient 1.000°/100 ft.)
 The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and
 2,612 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-
 line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with
 evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body
 Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and
 Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.06)

T 8 S

ABLE RESOURCES ENERGY
ON MONUMENT BUTTE
H UNIT WATERFLOOD
ESNE COUNTY T9S, R 16 & 17 E

T 9 S

41-12J

11-7J

42-12J

12-7J

12-14J

22-14J

32-14J

42-14J

R16 E

R17 E



EQUITABLE RESOURCES
ENERGY COMPANY

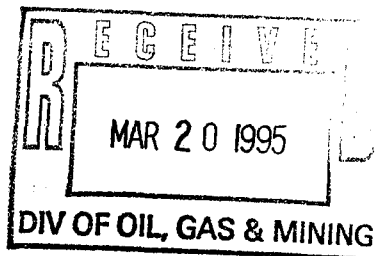
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒



March 17, 1995

CONFIDENTIAL

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

43-013-31491
Sec 14, T 9S, R 16E

Enclosed are copies of the archeological report for the surveys that were done on the Balcron Monument Federal #12-14J, Balcron Monument Federal #42-14J, and Balcron Monument Federal #41-12J.

Also enclosed are copies of the paleontological report for the Balcron Monument Federal #42-14J and Balcron Monument Federal #41-12J as well as a copy of the paleontologist's letter regarding the new access to the Balcron Monument Federal #31-14Y.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas, and Mining

**CULTURAL RESOURCE EVALUATION
OF PROPOSED WELL LOCATIONS AND ACCESS ROUTES
IN THE MONUMENT BUTTES AND
PLEASANT VALLEY LOCALITIES
OF DUCHESNE & UINTAH COUNTIES, UTAH**

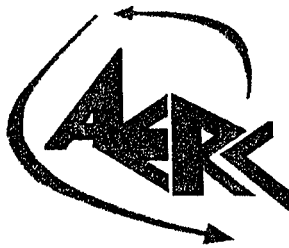
Report Prepared for Balcron Oil Company

**Dept. of Interior Permit No.: UT-94-54937
AERC Project 1461 (BLCR-94-11)**

Utah State Project No.: UT-94-AF-775b

**Principal Investigator
F. Richard Hauck, Ph.D.**

**Authors of the Report
F. Richard Hauck & Glade V Hadden**



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

**181 North 200 West, Suite 5
P.O. Box 853
Bountiful, Utah 84011-0853**

December 30, 1994

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GENERAL INFORMATION

On December 15 and 20, 1994, AERC archaeologists F.R. Hauck and Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved ten proposed well locations and associated access roads (Balcron Monument Federal Units 42-12J, 11-7J, 41-12J, 42-14J, 32-14J, 22-14J, 24-25, 14-26, 34-25, 43-26 and 14-26), and an additional well (Balcron Monument Federal 12-7J which has been constructed and previously inventoried in a forty acre intensive survey zone (inventory 013-163, Vernal BLM). The project area is in the Monument Buttes and Pleasant Valley localities south east of Myton, Utah (see Map 1). Some 135.15 acres were examined which include 100 acres associated with the well pads and some 35.15 acres associated with the access routes, all of which are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and associated access routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

Project Location

The project location is in the Monument Buttes locality of Duchesne County, and the Pleasant Valley locality of Uintah County. All of the evaluated wells and access routes are situated on the Myton SE and Pariette Draw SW 7.5 minute topographic quads (see Maps).

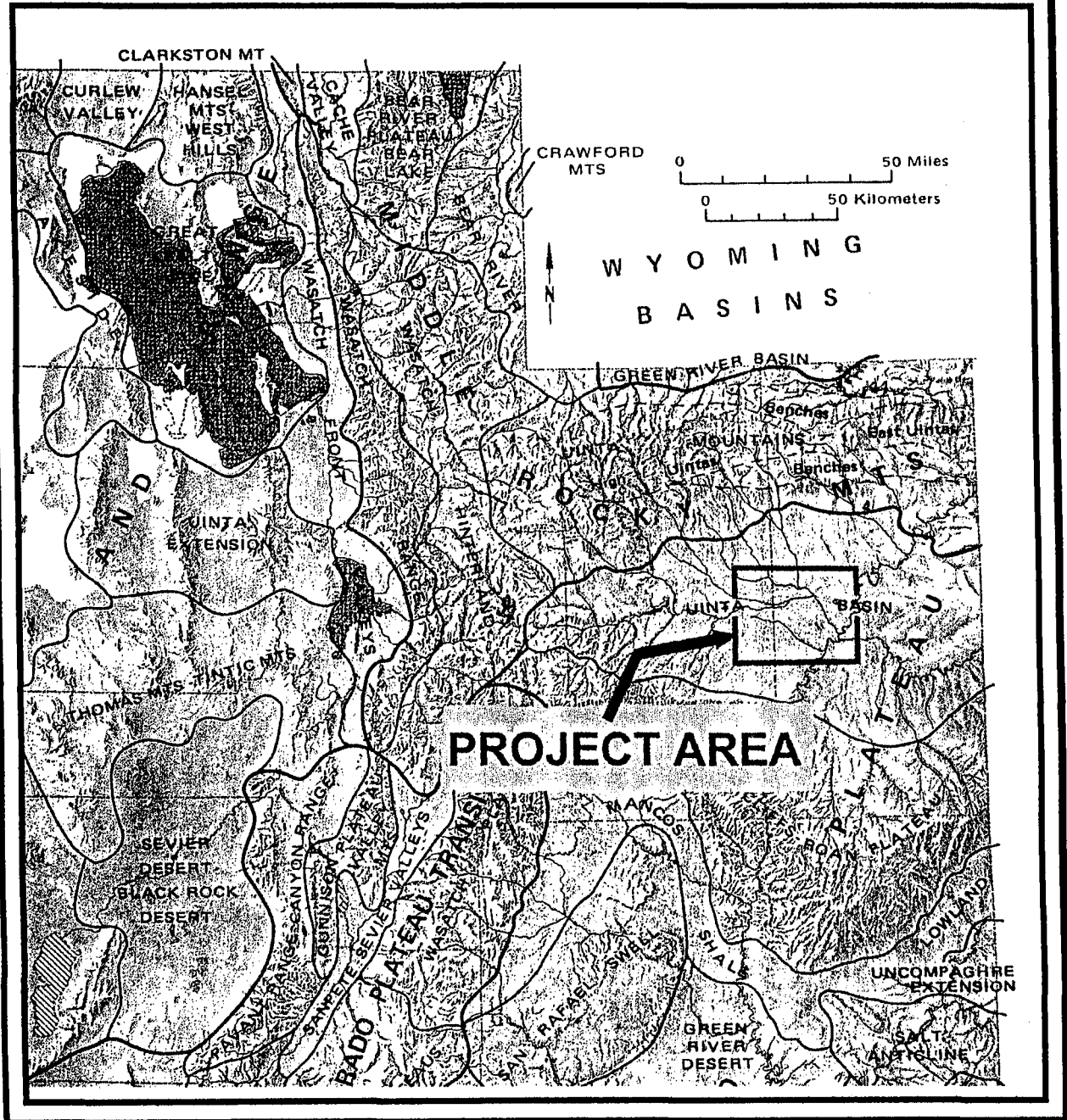
Balcron Monument Federal #11-7J is situated in the NW quarter of the NW quarter of Section 7, Township 9 South, Range 17 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

Balcron Monument Federal #12-7J is situated in the SW quarter of the NW quarter of Section 7, Township 9 South, Range 17 East SLBM (see Map 2).

Balcron Monument Federal #41-12J is situated in the NE quarter of the NE quarter of Section 12, Township 9 South, Range 16 East SLBM, together with ca. 0.4 miles of access route (see Map 2).

**MAP 1: GENERAL BALCRON PROJECT
LOCALITY IN DUCHESNE AND UINTAH
COUNTIES OF NORTHWESTERN UTAH**

PROJECT: BLCR-94 - 11
SCALE: see below
QUAD: UG & MS Map 43
DATE: 12-30-94



UTAH

T. multiple

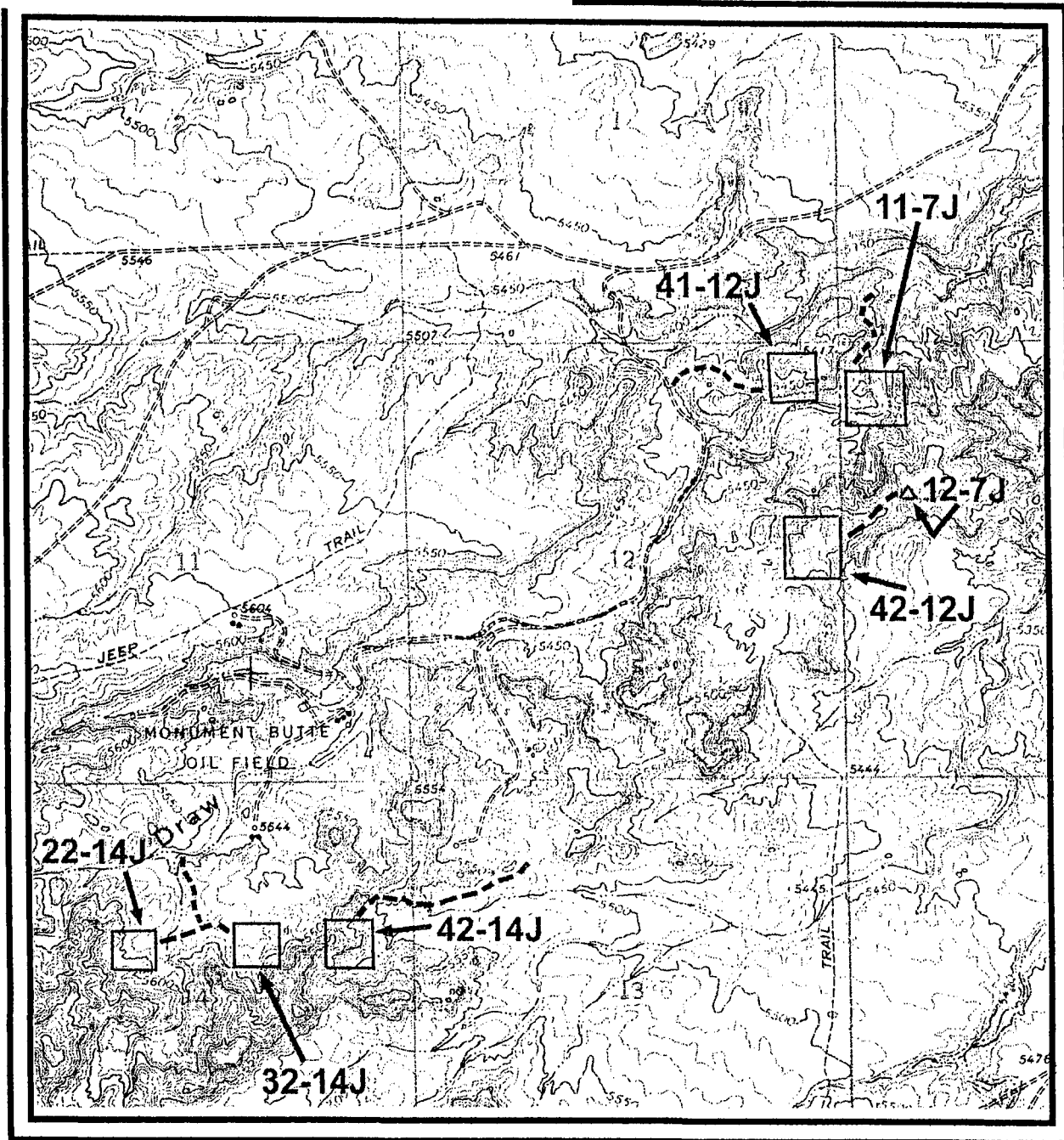
R. multiple

Meridian: Salt Lake B & M

**(After PHYSIOGRAPHIC SUBDIVISIONS
OF UTAH by W.L. Stokes)**

**MAP 2: CULTURAL RESOURCE SURVEY
OF BALCRON UNITS 11-7J, 12-7J,
22-14J, 32-14J, 41-12J, 42-12J, and
42-14J IN THE
MONUMENT BUTTES LOCALITY OF
DUCHESNE COUNTY, UTAH**

PROJECT: BLCR-94-11
SCALE: 1:24,000
QUAD: Myton SE, Utah
DATE: 12-30-94



LEGEND:



UTAH

T. 9 South

R. 16 East

Meridian: Salt Lake B & M

Existing Well Location

Survey Plot

Access Route



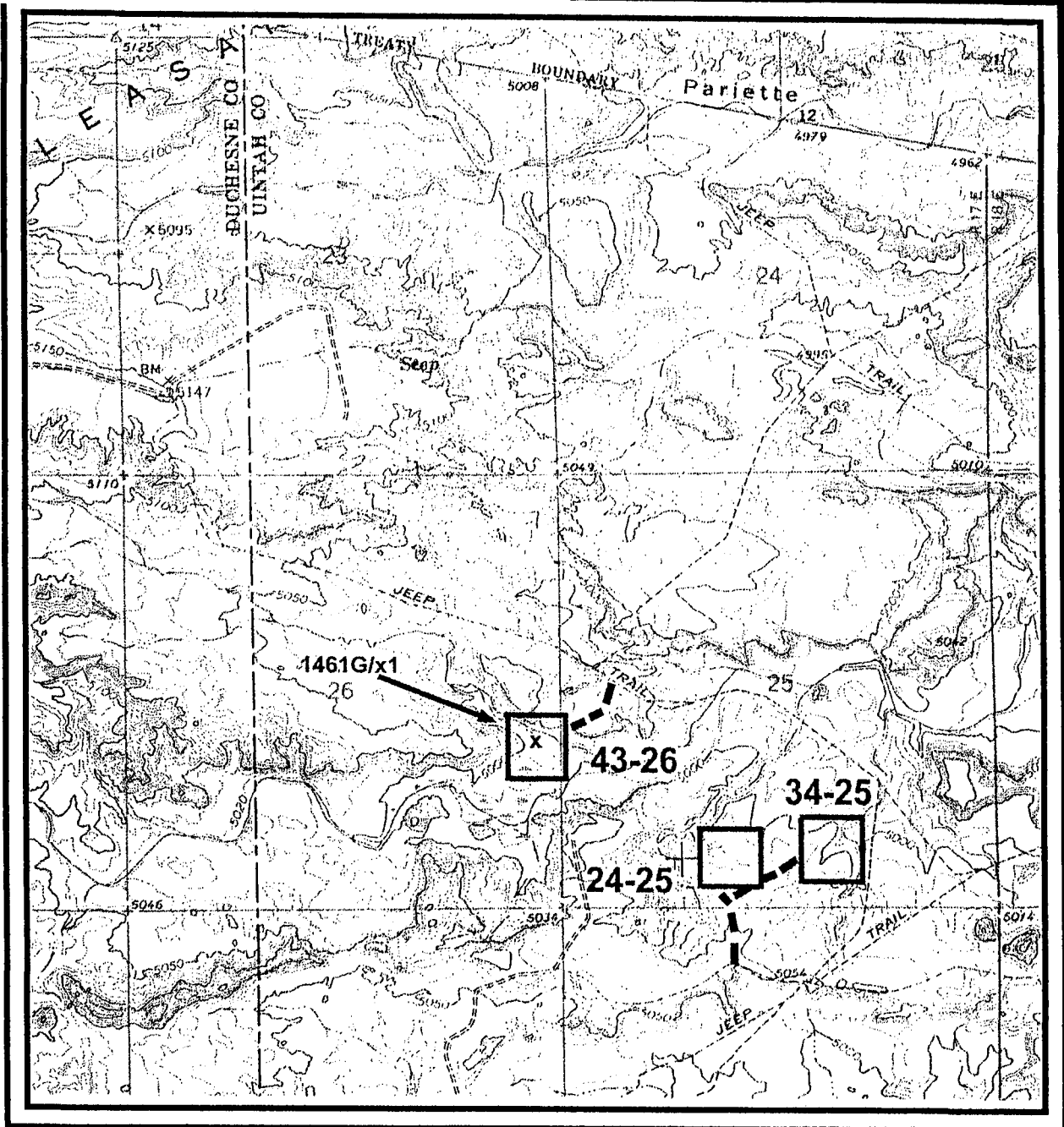
**MAP 3: CULTURAL RESOURCE SURVEY
OF BALCRON UNITS 24-25, 34-25, and
43-26 IN THE PLEASANT VALLEY
LOCALITY OF UINTAH COUNTY, UTAH**

PROJECT: BLCR-94-11

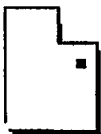
SCALE: 1:24,000

QUAD: Pariette Draw SW, Utah

DATE: 12-30-94



LEGEND:



UTAH

T. 8 South

R. 17 East

Meridian: Salt Lake B & M

Isolated Artifact

Survey Plot

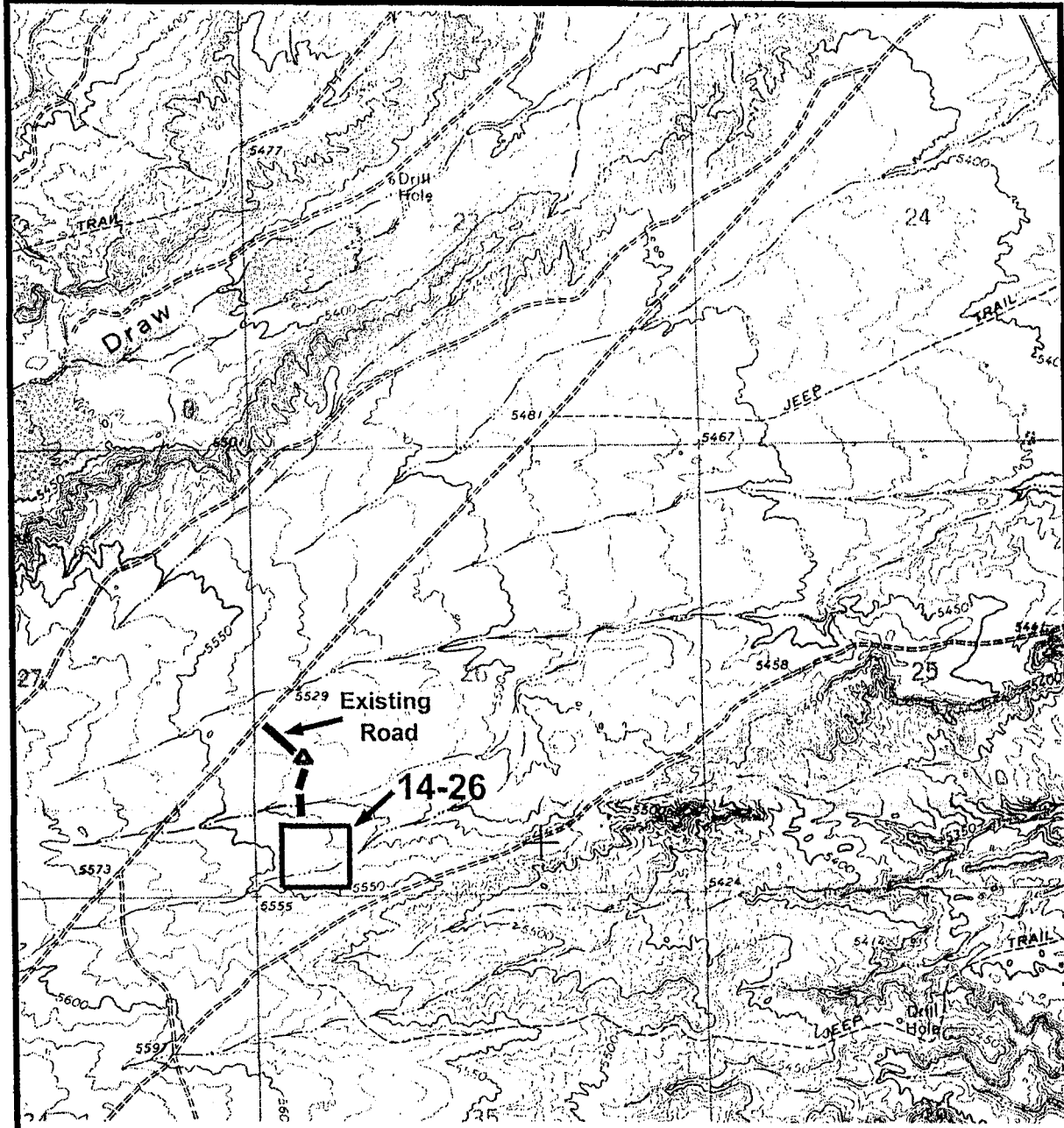
Access Route

x

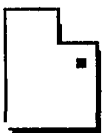


**MAP 4: CULTURAL RESOURCE SURVEY
OF BALCRON UNIT 14-26 IN THE
MONUMENT BUTTES LOCALITY OF
DUCHESNE COUNTY, UTAH**

PROJECT: BLCR-94-11
SCALE: 1:24,000
QUAD: Myton SE, Utah
DATE: 12-30-94



LEGEND:



UTAH

T. 8 South

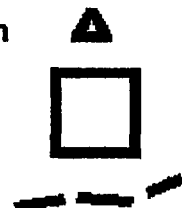
R. 16 East

Meridian: Salt Lake B & M

Existing Well Location

Survey Plot

Access Route



Balcron Monument Federal #42-12J is situated in the SE quarter of the NE quarter of Section 12, Township 9 South, Range 16 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

Balcron Monument Federal #22-14J is situated in the SE quarter of the NW quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. 0.1 miles of access route (see Map 2).

Balcron Monument Federal #32-14J is situated in the SW quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. .03 miles of access route (see Map 2).

Balcron Monument Federal #42-14J is situated in the SE quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. 0.6 miles of access route (see Map 2).

Balcron Monument Federal #24-25 is situated in the SE quarter of the SW quarter of Section 25, Township 8 South, Range 17 East SLBM, together with ca. 0.1 miles of access route (see Map 3).

Balcron Monument Federal #34-25 is situated in the SW quarter of the SE quarter of Section 25, Township 8 South, Range 17 East SLBM, together with ca. 0.4 miles of access route (see Map 3).

Balcron Monument Federal #43-26 is situated in the NE quarter of the SE quarter of Section 26, Township 8 South, Range 17 East SLBM, together with ca. 0.2 miles of access route (see Map 3).

Balcron Monument Federal #14-26 is situated in the SW quarter of the SW quarter of Section 26, Township 8 South, Range 16 East SLBM, together with ca. 0.2 miles of access route (see Map 4).

Environmental Description

The project area is within the 5000 to 5500 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

The vegetation in the project area includes *Chrysothamnus* spp. *Artemisia* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp. *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on December 19, 1994. A similar search was conducted in the Vernal District Office of the BLM on December 15, 1994. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw/ Eight Mile Flat/ Pariette Draw localities. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989).

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute

horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each ten acre well pad area. Access routes are evaluated by the archaeologists walking a pair of 10 to 15 meter-wide transects on either side of the flagged access route rights of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 35.15 acres) was examined for the various proposed access roads, in addition to the 100 acres inventoried on the well pads.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory

No prehistoric or historic cultural resource activity loci were observed and recorded during the archaeological evaluations.

No previously identified and recorded significant or National Register sites were noted or recorded during the survey.

One diagnostic isolated artifact was collected during the evaluation. Isolate 1461G/x1 is a Rose Spring style projectile point (see Figure 1) collected from the disturbance zone of well # 43-26 (see Map 3). A detailed evaluation of the locality failed to yield any identifiable features or cultural contexts that would demonstrate the presence of an archaeological locus. A single non-diagnostic tool was noted in the area of well 42-12J. This tool was a simple chopper constructed by bifacially removing several flakes from one end of a hand-sized cobble. The occurrence of this tool fits a previously noted pattern (Hauck and Hadden 1994d), and may be related to the ambush hunting and subsequent butchering of large game animals, possibly during the Archaic period. A detailed evaluation of the locality failed to yield any identifiable features or cultural contexts that would demonstrate the presence of an archaeological locus.



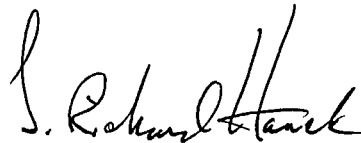
FIGURE 1
Isolate 1461G/x1
(Actual Size)

CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of the Balcron Well Units as evaluated during this AERC project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of these proposed drilling locations and the associated access routes based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal Investigator

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Fike, Richard E. and H. Blaine Phillips II

- 1984 "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1984a Excavation (in) "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, (Richard E. Fike and Blaine Phillips II editors and principal authors) Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Glade V Hadden

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil

Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.

1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.

1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.

1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.

1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.

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1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42, of the Archeological-Environmental Research Corporation, Bountiful.

Stokes, W. L.

1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake.

**CULTURAL RESOURCE EVALUATION
OF PROPOSED WELL LOCATIONS AND ACCESS ROUTES
IN THE MONUMENT BUTTES LOCALITY
OF DUCHESNE COUNTY, UTAH**

Report Prepared for Balcron Oil Company

**Dept. of Interior Permit No.: UT-95-54937
AERC Project 1465 & 1471 (BLCR-95-1 & 2)**

Utah State Project No.: UT-95-AF-065b

**Principal Investigator
F. Richard Hauck, Ph.D.**

**Authors of the Report
F. Richard Hauck & Glade V Hadden**



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

**181 North 200 West, Suite 5
P.O. Box 853
Bountiful, Utah 84011-0853**

March 6, 1995

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of two proposed well locations and three access routes (Balcron Monument Federal Units 42-14J and 12-14J and a new access into Unit 41-12J). These evaluated locations are situated on federally administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 32 acres, of which 20 acres are associated with the two ten acre well locations and an additional 12 acres are associated with three access road rights-of-way. These evaluations were conducted by Glade Hadden of AERC on March 2, 1995.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No newly identified cultural resource activity loci of either historic or prehistoric origin were discovered and recorded during the examinations.

No isolated artifacts were noted during the investigation.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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MAP 2: Cultural Resource Survey of Proposed Balcron Units 12-14J, 42-14J & New Access into 41-12J in the Castle Peak Draw Locality of Duchesne County Utah . . .	3

GENERAL INFORMATION

On March 2, 1995, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved two proposed well locations and their associated access roads (Balcron Monument Federal Units 12-14J and 42-14J), and an additional newly flagged access route into Balcron Monument Federal 41-12J. The project area is in the Monument Buttes locality south east of Myton, Utah (see Map 1). Some 32 acres were examined which include 20 acres associated with the two 10 acre well pads and some 12 acres associated with the three access routes, all of which are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and associated access routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

Project Location

The project location is in the Monument Buttes locality of Duchesne County. All of the evaluated wells and access routes are situated on the Myton SE 7.5 minute topographic quad (see Map 2).

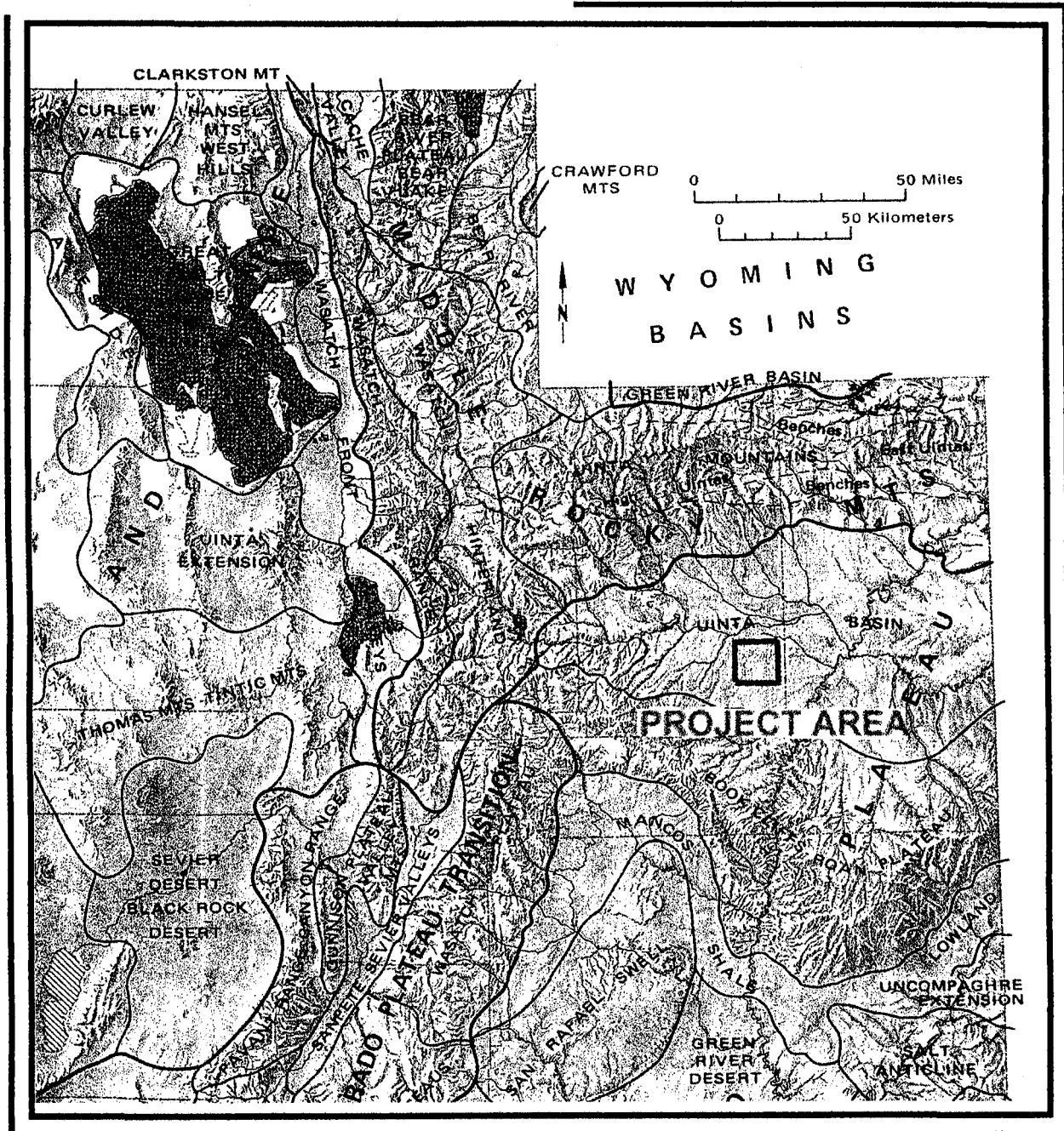
Balcron Monument Federal 12-14J is situated in the SW quarter of the NW quarter of Section 14 Township 9 South, Range 16 East SLBM, together with ca. .20 miles of access route (see Map 2).

Balcron Monument Federal 42-14J is situated in the SE quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM (see Map 2). The ten acre survey plot extends to the east into adjacent Section 13. Its .10 mile-long access route originates in the NW quarter of Section 13 in association with a previously evaluated access corridor into the original location for Unit 42-14J (Hauck and Hadden 1994e).

The .20 mile-long newly evaluated access route into Balcron Monument Federal Unit 41-12J is situated in the NE quarter of the NE quarter of Section 12 and in the SE of the SE

**MAP 1: GENERAL PROJECT
LOCALITY IN DUCHESNE COUNTY,
UTAH**

PROJECT: BLCR - 95 - 1 & 2
SCALE: see below
QUAD: UG & MS Map 43
DATE: 3 - 6 - 95



UTAH

T. multiple

R. multiple

Meridian: Salt Lake B & M

**(After PHYSIOGRAPHIC SUBDIVISIONS
OF UTAH by W.L. Stokes)**

quarter of Section 1, Township 9 South, Range 16 East, and also in the SW of the SW quarter of adjacent Section 6, Township 9 South, Range 17 East SLBM (see Map 2). This location and its original access were originally evaluated by AERC in December 1994 (Hauck and Hadden 1994e).

Environmental Description

The project area is within the 5000 to 5500 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp., *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on February 23, 1995. A similar search was conducted in the Vernal District Office of the BLM on March 2, 1995. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes/Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989).

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late

Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each ten acre well pad area. Access routes are evaluated by the archaeologist walking a pair of 10 to 15 meter-wide transects on either side of the flagged access route rights of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 12 acres) was examined for the various proposed access roads, in addition to the 20 acres inventoried in association with the two well locations.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below

and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory

No prehistoric or historic cultural resource activity loci were observed and recorded during the archaeological evaluations.

No previously identified and recorded significant or National Register sites were noted or recorded during the survey.


No diagnostic isolated artifact were observed or collected during the evaluation.

CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of the Balcron Well Units as evaluated during this AERC project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of these proposed drilling locations and the associated access routes based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

A handwritten signature in black ink, appearing to read 'F. Richard Hauck', written in a cursive style.

F. Richard Hauck, Ph.D.
President and Principal Investigator

REFERENCES

Fike, Richard E. and H. Blaine Phillips II

- 1984 "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1984a Excavation (in) "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, (Richard E. Fike and Blaine Phillips II editors and principal authors) Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Glade V Hadden

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil

Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.
- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eightmile Flat Localities of Duchesne and Uintah Counties, Utah. Report Prepared for Balcron Oil Company, BLCR-94-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1994e Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report Prepared for Balcron Oil Company, BLCR-94-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994f Cultural Resource Evaluation of Two Proposed Balcron Monument State Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Balcron Oil Company, BLCR-94-10b, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Norman, V. Garth

1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Dennis Weder

1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42, of the Archeological-Environmental Research Corporation, Bountiful.

Stokes, W. L.

1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake.

U.S.
Department of the Interior
Bureau of Land Management
Utah State Office
(AERC FORMAT)

Project
Authorization No .U.9.5.A.F.0.6.5.b..

Report Acceptable Yes ___ No ___

Mitigation Acceptable Yes ___ No ___
Comments: _____

Summary Report of
Inspection for Cultural Resources

W E L L L O C A T I O N S C A S T L E P E A K D R A W
L O C A L I T Y

1. Report Title

Balcron Oil Company (BLCR-95-1 & 2) Units 12-14J, 42-14J, and
access into 41-12J

2. Development Company _____

3 6 1 9 9 5

UT-95-54937

3. Report Date 4. Antiquities Permit No. _____

A E R C B L C R 9 5 - 1 & 2 Duchesne
5. Responsible Institution County _____

6. Fieldwork 9 S 1 6 E 0 1 1 3 1 4
Location: TWN RNG Section. . . | . . . | . . . | . . . |
7. Resource 9 S 1 7 E 0 6
Area TWN RNG Section. . . | . . . | . . . | . . . |
.D M.

8. Description of Examination Procedures: The archeologist, G.V. Hadden
intensively examined the proposed well pads and access route corridors by
walking a pair of 10 to 15 meter-wide transects across the staked well pads
and in a 100 foot-wide corridor centered on the flagged center-line stakes.

9. Linear Miles Surveyed . 5
and/or
Definable Acres Surveyed
and/or
Legally Undefinable 3 2
Acres Surveyed
10. Inventory Type . . I
R = Reconnaissance
I = Intensive
S = Statistical Sample

11. Description of Findings: No archaeological sites
were identified and recorded during
this survey. No isolated artifacts
were found.
12. Number Sites Found .0.
(No sites = 0)
13. Collection: .N.
Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:
The National Register of Historic Places (NRHP) has been consulted and no
registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 2-23-95 Vernal BLM 3-2-95

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to
Balcron Oil Company for this proposed development based on the following
stipulations:

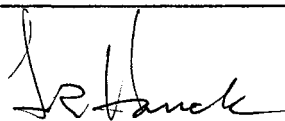
(see reverse)

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the existing roadways and/or evaluated corridor.

2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

17. Signature of Administrator & Field Supervisor
Administrator:



UT 8100-3 (2/85)

Field
Supervisor:



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

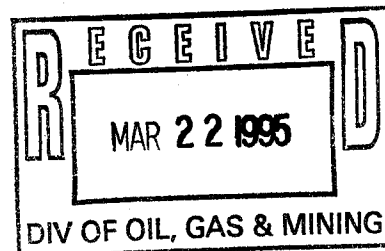
FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

March 20, 1995

-- VIA FEDERAL EXPRESS --

Mr. Mickey Coulthard
U.S. Department of the Interior
Bureau of Land Management
Utah State Office
324 South State
Suite 301
Salt Lake City, UT 84111 - 2303



Dear Mr. Coulthard:

RE: Balcron Monument Federal #42-14J
SE NE Section 14, T9S, R16E
Duchesne County, Utah

Operator hereby requests approval for an exception to location for the referenced well. It is staked at 1738' FNL and 269' FEL which puts it out of the 500' outside boundary limit which is established for the Jonah Unit. The location was previously staked at 1882' FNL and 773' FEL but was moved at the order of the Vernal District Bureau of Land Management. Their watershed specialist, Steve Strong, and Natural Resource Protection Specialist, Stan Olmstead, have some valid concerns about watershed issues as well as concerns about reclamation of the site where it was originally staked. The move was authorized by Ron Trogstad, Diamond Mountain Resource Area Manager.

Please consider this request for an exception to location. If you have any questions, please give me a call at (406) 259-7860 or call one of the Vernal District BLM personnel. Thank you.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosure

cc: Bureau of Land Management, Vernal District
Utah Division of Oil, Gas and Mining
Gary Kabeary
Dave McCoskery

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.
#U-096550

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a

7. UNIT AGREEMENT NAME

Jonah Unit

8. FARM OR LEASE NAME

Balcron Monument Federal

9. WELL NO.

#42-14J

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 14, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

SE NE Section 14, T9S, R16E

1882' FNL, 773' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 13 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5,650'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5604.9'

22. APPROX. DATE WORK WILL START*

3/1/95

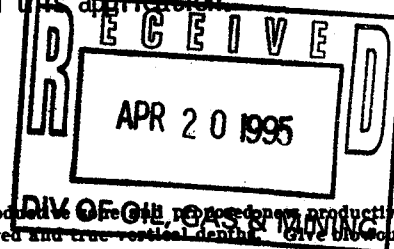
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling Program/Casing Design				

Operator intends to drill this well in accordance with the attached permit. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Robbie Schuman
Robbie Schuman

TITLE

Regulatory and
Environmental Specialist

DATE

12-19-94

(This space for Federal or State office use)

PERMIT NO.

43-013-31491

APPROVAL DATE

APPROVED BY

Quinn A. Schuman

TITLE

ASSISTANT DISTRICT
MANAGER MINERALS

DATE

APR 19 1995

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATING CONTRACT

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Federal 42-14J

API Number: 43-013-31491

Lease Number: U-096550

Location: SENE Sec. 14 T. 9S R. 16E

NOTIFICATION REQUIREMENTS

- | | | |
|---------------------------------|---|---|
| Location Construction | - | at least forty-eight (48) hours prior to construction of location and access roads. |
| Location Completion | - | prior to moving on the drilling rig. |
| Spud Notice | - | at least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

The surface casing will need to be cemented with neat cement.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water zone identified at ± 1919 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to ± 1719 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data,

geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PLAN OF OPERATION
Conditions of Approval (COAs)

Plans for Reclamation of Location

At time of abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. Recontour the surface of the disturbed area to **blend all cuts, fills, road berms, and borrow ditches to be natural in appearance** with the surrounding terrain. The access to this location enters through steep rock terrain, reclamation will be difficult so recontouring of the access will require extensive effort. After recontouring of the area, the stockpiled topsoil will be spread over the surface, and the area revegetated to the satisfaction of the Authorized Officer of the BLM.

Methods for Handling Waste Material and Disposal

The **required** plastic reinforced liner to line the reserve pit will a minimum of 12 mil thickness with sufficient bedding to cover any rocks.

APPLICATION FOR PERMIT TO DRILL
VERNAL DISTRICT TECHNICAL CONTROL SHEET

OPERATOR: EQUITABLE RESOURCES ENERGY CO
WELL NO.: BALCRON MONUMENT FED 42-14J
LOCATION: SENE, SEC. 14, T9S, R16E
LEASE NO: U-096550
APD EXAMINER: MARGIE
DIST. NO.: UT080-5M072
OPTION: ☐ APD ☒ NOS
DATE NOS RECEIVED: 11/15/94
DATE APD RECEIVED: 12/20/94

	DATE IN	INITIAL	DATE OUT	TIMEFRAME
ENGINEER	5	WPB	12/28/94	<u>1 DAY</u>
GEOLOGIST		II		<u>3 DAYS</u>
HYDROLOGIST		II		<u>3 DAYS</u>
ENGINEER		WPD	1/13/95	<u>3 DAYS</u>

REMARKS: _____



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

April 20, 1995

Equitable Resources Energy Company
P.O. Box 21017
Billings, Montana 59104

Re: Balcron Monument Federal #42-14J Well, 1882' FNL, 773' FEL, SE NE, Sec. 14,
T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31491.

Sincerely,

R. J. Firth
Associate Director

ldc

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office
WAPD



Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal #42-14J

API Number: 43-013-31491

Lease: Federal U-096550

Location: SE NE Sec. 14 T. 9 S. R. 16 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

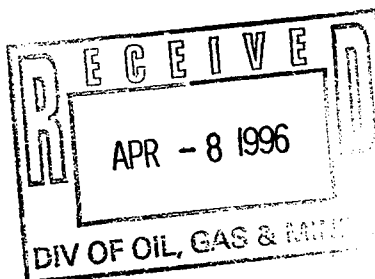
Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See attached listing

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See attached listing

8. Well Name and Number:

See attached listing

9. API Well Number:

See attached listing

10. Field and Pool, or Wildcat:

See attached listing

County: See attached list

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

APR - 8 1996

13.

Name & Signature:

Bobbie Schuman
Bobbie Schuman

Regulatory and

Title: Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ
2	DPB 58-FILE
3	VLD (GHI) 2-4
4	RJH
5	LEP
6	PHM

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ~~KKK~~ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
phone	<u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
account no.	<u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>43-013-31491</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). Rec'd 4-4-96 & 4-8-96
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- Yec 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yec 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) # 5578314 (\$80,000) Securo Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Boucher - Trust Lands

FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: June 03 1997.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/6/04/10 BLM/BIA "Formal approval not necessary"

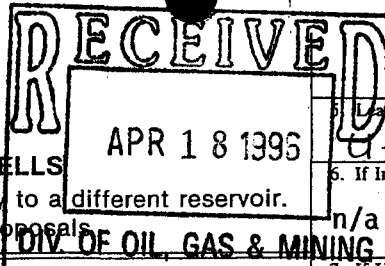
Record#	OPERATOR	well_name	API_NUMBER	SECTION	TOWNSHIP	RANGE	DATEAPPRVD
1937	EQUITABLE RESOURCES	BALCRON MONUMENT FEDERAL 14-4	43-013-31430	04	09S	16E	12/20/93
2282	EQUITABLE RESOURCES	BALCRON MONUMENT FED 12-14J	43-013-31488	14	09S	16E	03/27/95
2283	EQUITABLE RESOURCES	BALCRON MONUMENT FED 22-14J	43-013-31489	14	09S	16E	03/07/95
2284	EQUITABLE RESOURCES	BALCRON MONUMENT FED 32-14J	43-013-31490	14	09S	16E	03/07/95
2285	EQUITABLE RESOURCES	BALCRON MONUMENT FED 42-14J	43-013-31491	14	09S	16E	04/20/95
2375	EQUITABLE RESOURCES	BALCRON MONUMENT FEDERAL 14-26	43-013-31512	26	08S	16E	04/20/95
2472	EQUITABLE RESOURCES	BALCRON MON FED 11-10-9-17Y	43-013-31534	10	09S	17E	/ /
2609	EQUITABLE RESOURCES	MONUMENT STATE 23-16-9-17B	43-013-31578	16	09S	17E	01/03/96
2613	EQUITABLE RESOURCES	MONUMENT FEDERAL 23-17-9-17B	43-013-31582	17	09S	17E	02/05/96
2614	EQUITABLE RESOURCES	MONUMENT FEDERAL 13-22-8-17Y	43-013-31583	22	08S	17E	02/22/96
2618	EQUITABLE RESOURCES	MONUMENT FEDERAL 32-22-8-17	43-013-31586	22	08S	17E	02/20/96
2619	EQUITABLE RESOURCES	MONUMENT FEDERAL 31-22-8-17	43-013-31587	22	08S	17E	02/20/96
2620	EQUITABLE RESOURCES	MONUMENT FEDERAL 33-22-8-17	43-013-31588	22	08S	17E	03/25/96
2621	EQUITABLE RESOURCES	MONUMENT FEDERAL 33-6-9-16Y	43-013-31589	06	09S	16E	04/15/96
2622	EQUITABLE RESOURCES	MONUMENT FEDERAL 31-10-9-17Y	43-013-31591	10	09S	17E	/ /
2623	EQUITABLE RESOURCES	MONUMENT FEDERAL 32-10-9-17Y	43-013-31592	10	09S	17E	02/22/96
2201	EQUITABLE RESOURCES	ASP FEDERAL 1	43-027-30033	12	16S	19W	04/27/95
2539	EQUITABLE RESOURCES	COBRA FEDERAL 42-35	43-027-30037	35	15S	19W	/ /
1942	EQUITABLE RESOURCES	BALCRON MONUMENT FEDERAL 41-26	43-047-32456	26	08S	17E	12/21/93
2099	EQUITABLE RESOURCES	BALCRON MONUMENT FEDERAL 42-26	43-047-32531	26	08S	17E	06/01/95
2264	EQUITABLE RESOURCES	BALCRON MONUMENT STATE 32-2	43-047-32609	02	09S	17E	12/29/94
2267	EQUITABLE RESOURCES	BALCRON MONUMENT STATE 34-2	43-047-32611	02	09S	17E	12/29/94
2376	EQUITABLE RESOURCES	BALCRON MONUMENT FEDERAL 43-26	43-047-32668	26	08S	17E	05/08/95
2481	EQUITABLE RESOURCES	BALCRON MON FEDERAL 23-24-8-17	43-047-32710	24	08S	17E	02/13/96
2625	EQUITABLE RESOURCES	MONUMENT FEDERAL 32-20-9-18Y	43-047-32725	20	09S	18E	02/06/96
2635	EQUITABLE RESOURCES	MONUMENT FED 41-35-9-18Y	43-047-32727	35	09S	18E	04/15/96
2636	EQUITABLE RESOURCES	MONUMENT FED 44-31-8-18Y	43-047-32728	31	08S	18E	/ /
2637	EQUITABLE RESOURCES	MONUMENT FEDERAL 43-19-9-18Y	43-047-32730	19	09S	18E	02/05/96

OH/Pending Status

UTAH

Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WIW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WIW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 660' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Sec. 14-T9S-R16E
1882' FNL, 773' FEL

Jonah Unit

8. Well Name and No.

Balcron Mon. Fed. # 42-145

9. API Well No.

43-013-21491

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Renew APD
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The Federal Application for Permit to Drill (APD) this well expires: 4-19-96

Operator requests a one-year renewal of the APD.

Extend to
4/20/97
DT

ORIGINAL: Bureau of Land Management (Vernal, UT)

COPY: Utah Division of Oil, Gas and Mining (Salt Lake City, UT)

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Regulatory and
Environmental Specialist

Date

April 18, 1996

(This space for Federal or State Office use)

Approved by

[Signature]

Title

Petroleum Engineer

Date

4/18/96

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

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3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 14, T9S, R16E
1882' FNL, 773' FEL

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balc.Mon.Fed. #42-14J

9. API Well No.

43-013-31491

10. Field and Pool, or Exploratory Area

Mon.Butte/Grn River

11. County or Parish, State

Duchesne Co., UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other renewal of APD

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

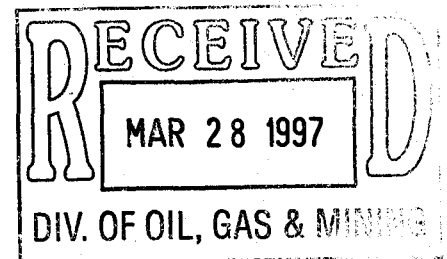
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator requests a one-year extension to the
Application for Permit to Drill this well.

*extended
to 4/20/98
DTS*

CONFIDENTIAL



ORIGINAL: Bureau of Land Management (Vernal, UT)
COPY: Utah Division of Oil, Gas and Mining

14. I hereby certify that the foregoing is true and correct

Signed

Robbie Schuman

Title

Regulatory and
Environmental Specialist

Date

March 26, 1997

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

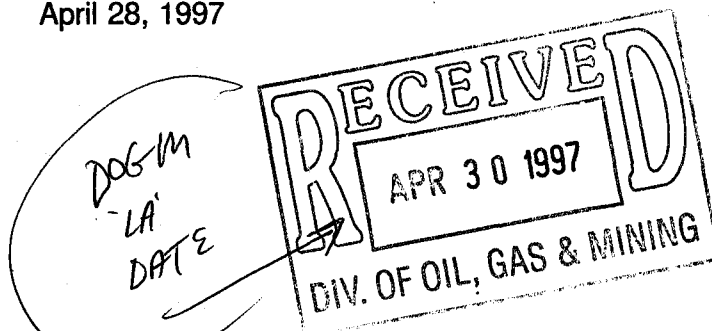
Phone: (801) 781-4400
Fax: (801) 781-4410

IN REPLY REFER TO:

3162
UT08300

April 28, 1997

Equitable Resources Energy Company
Attn: Bobbie Schuman
1601 Lewis Avenue
Billings MT 59104



Re: Notification of Expiration
Well Balcron Monument Fed. 42-14J
Section 14, T9S, R16E
Lease No. U-096550

43-013-31491

Dear Ms. Schuman:

The Application for Permit to Drill the above-referenced well was approved on April 19, 1995. Equitable Resources Energy Company requested an extension of the original APD approval for an additional year. The request was reviewed and the extension approved until April 19, 1997. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Margie Herrmann
Legal Instruments Examiner

cc: State Div. OG&M

From: Don Staley
To: Marjie Herrman - BL Vernal
Date: 5/2/97 1:54pm
Subject: RESCIND LETTERS

Hi Margie,

Let's see if this e-mail address really works!

I have a question for you. I just received copies of your rescind letters for

Balcron Monument Fed 42-14J 14-9S-16E
and
Balcron Monument Fed 22-14J 14-9S-16E

We received sundry notices from Equitable for both of these wells a month or two ago (sundries dated 2/3/97 and 3/26/97) requesting another one year extension (to expire in 1998). Can you tell me what the latest status is? Are you still rescinding these two permits? Did you not receive the same sundries we did? Did you turn down their request for an extension? Or what?

*Sundry dated
3/26/97
requests another
1yr extension*

Your assistance is appreciated! Thank you!!

Don Staley
Utah Division of Oil, Gas and Mining
(801-538-5275)

From: Margie Herrmann <mherrman@ut.blm.gov>
To: NRDOMAIN.NROGM(DSTAL)
Date: 5/9/97 9:24am
Subject: RESCIND LETTERS - Reply

Don,
I received your message. Sorry to be slow in replying, but I have been out sick.

In regard to your question about the following well:

Balcron Monument Fed 42-14J 14-9S-16E
Balcron Monument Fed 22-14J 14-9S-16E
Balcron Monument Fed 43-26 26-8S-17E

We had already extended these locations once, and usually do not give them a second extension. After 2 years we prefer to have the Operator submit a new APD for the location.

As for the sundry notices, no I did not see them.

I will be calling Bobbie this morning.

Let me know if you have any more questions. Also please let me know when you received this as I want to be sure it has gone through.

Thank you
Margie